

SEQUENCE LISTING

<110> Nehls, Michael
Zambrowicz, Brian
Sands, Arthur T.

<120> Novel Human Polynucleotides and the
Polypeptides Encoded Thereby

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 <213> Homo sapiens

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<213> Homo sapiens

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cctaaaagca catatgatta aaaactccaa agaaaacgca aacncttttg gatttacgat 300

actgtaagat agctccccc tct

323

<210> 40
<211> 496
<212> DNA
<213> Homo sapiens

<400> 40
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ctccaaagat catccagaac cttcacacca aggagggatt ggctaaccat ggactgaaag 180
aaggggacaa ctggatgagg agctggtaaa gccagaaaat ctgaggcgtg tgctcaccan 240
ggtgacagat gagaccttct gatgctctct tgcccgtgca cacttccatt ctctgagtct 300
tttgggtcaa gatctgagct ttcaggggagc acaccaatgg catgaacctc tctgatgcct 360
ctgagcccag ccttagcatt ctcttcttca tgagctacta cctgtctaca gcagccaaca 420
actcttctgt caaactcttg ggtctatgcc anggtaaaaa ccataaagna ctgcagggtg 480
cttaaccctt tgagga 496

<210> 41
<211> 331
<212> DNA
<213> Homo sapiens

<400> 41
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ttgtgaagtc acggtccatc cagggatggg caagaggatg accagaacca tctcgagagg 120
ggctggaaag ctgcctcacg tatgtggtcc tgtgctgtgt ctacatgttc ctactcgcc 180
tctacaacgc tcatggcacg agggaggaaa tggggtgcag aggctaagga acgtgcccaa 240
agccctacag ctggtgtatt agtaatctac tgctgtgtaa ccaattgccc caaaatttaa 300
atgtgtaaaa caacaaagac gtctaactca t 331

<210> 42
<211> 238
<212> DNA
<213> Homo sapiens

<400> 42
ggagggagaa gatcccatag cagcttttgc gtcccttact gatttatgct ctggaagata 60
agacacgctt tgcaagattc agctgacgca gacctgctgt gtcattattac tttctttgtc 120
ttgctggaaa gaagtgcaaa atacctaaagg aaacctcctt gtggcctcca ttaacccag 180
ctagcaccta ccaaatcagc aaaatccgaa atatgattta aataaattat gcttaaag 238

<210> 43
<211> 565
<212> DNA
<213> Homo sapiens

<400> 43
cctgctttta ttcanaactt gaaggacatg gncgccgga gggagaagat tcattcgncc 60
attgaccccg agggangnt tttnacttc cgccgccctg ggatgcgggg cttcttttnt 120
tttccaaca cattcttggc ttcattcatg ggcccggaag aatcttggcn aatggcccaa 180
tgtccccccc agattcccc agaangggtt caccagaat ccctaaaacc atgccgaang 240
gaaagcttcc catcaaaaat ttggtcaagg gcnatatcat caaagggaag tattgccacg 300
aagaaccaat cgggggggaa cnggcccggg angccccggg aagttttccc gggaagaaa 360
cgaagccaaa aaagccgcca ntncctgggg gcctttgctt gggaagaaa cttttctaaa 420
aaanggccac cttttgggcc ccttgccgcc atcattggga ctttttttc aagcttttcc 480
cttccccaa ggaatcaaa ttttctttac caccaaactt cnttgtgtng gcnttttttg 540
ggacaaaaa tttaaaaagc tttag 565

<210> 44
<211> 684
<212> DNA

<213> Homo sapiens

<400> 44

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ccagttttacc	ttggcaacca	ttccaagtta	ttttggaaaa	aaaggaatgg	aatttttttgg	120
cttttcattt	tggcaccttg	gccctttttg	gcttttcttt	cggtcacaaa	aggaatttttc	180
ccttaaaaagg	ggaaaaaaat	ggggggccac	ccaccaaga	aaattccctt	ggggaagnaa	240
aatcctggct	tcccaaaagn	aaaccttgga	ttaaccccaa	aagnaaattt	tggggattct	300
tgggaagnaag	gggtaagnaa	aggggaaaat	gggaaattcc	ggtaaagntn	ggggaattgc	360
cttgccattt	tggtccttac	caattcttcc	ccttttaagg	gaaccttcca	aaaaaggaac	420
ctttttaagg	ttccttttcc	ccaaggggtg	ggccccaagc	cttggaattt	taacccttcc	480
cccaagncct	tggttccaaa	ggggcccctt	tcccctttgg	gggaaaaaac	ctttgggggg	540
cctttccaaa	ggccttttgg	gaaagggaagg	naaaaccctt	gggggccttt	ttaattttnc	600
cccnaaggna	aattcnaacc	aaccttttnc	cccntttttt	nccctttggg	ggggggaaaa	660
aggttncctt	taaccaattt	ttcc				684

<210> 45

<211> 259

<212> DNA

<213> Homo sapiens

<400> 45

acatgggggt	ctcactgtgt	tgccagggt	ggagtacagt	ggctattcac	aggcacgatac	60
attgggtaca	atagcctgga	actcctggac	tcaagtgate	ctcttgcttc	agcttttcta	120
gcagctagga	ctacagggtt	gtgccactgc	atccaacgtg	gacccctttt	tgtatgccac	180
aatctatcca	gtgcctttcg	ctaagctttg	caatttccct	cctattttga	atattaatgg	240
tttatacttt	ttgattttat					259

<210> 46

<211> 346

<212> DNA

<213> Homo sapiens

<400> 46

gacaaaaaca	atgacagact	tgtccgagct	accatcgaag	tcttgggtct	gcacgcaaag	60
gatggaatcc	cccacttcca	ttcccaaaag	tttccctacg	ggagcctggt	gttgtctcct	120
ccggaactgt	cctcgcggt	gcctgttttt	cctagccat	ggttactgcc	tgcgggggat	180
tcagcctgtg	aaggcagtca	aggcagttca	ccactgtcat	caaacctaca	cccctgtgtg	240
catgcgcaca	cacacttgta	acccagtggc	acaatgcagg	aattagggaa	gcaaaggcaa	300
atcgctgaat	agctagggca	cctgatccct	gtaaggggccc	atcaag		346

<210> 47

<211> 203

<212> DNA

<213> Homo sapiens

<400> 47

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cctatgcttt	agagtgagaa	gaaataccag	aatctggaac	caggaagtga	gtcctctagg	120
gatgaggagg	tattcagctg	gatggccttt	taaaacattt	cctccagagt	cttctgcctg	180
attaaaaaca	gttttcgtcc	tag				203

<210> 48

<211> 213

<212> DNA

<213> Homo sapiens

<400> 48

ctgagatcaa	tgaacaacg	aacaaacgag	gagaatcacg	gaatgtcagc	angtatgtct	60
cctttatttcc	cctatgcttt	agagtgagaa	gaaataccag	aatctggaac	caggaagtga	120
gtcctctagg	gatgaggagg	tattcagctg	gatggccttt	taaaacattt	cctccagagt	180
cttctgcctg	attaaaaaca	gttttcgtcc	tag			213

<210> 49
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 49
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 ccctctggag gacaccaaac tgcagggtccc cttcttcacc cctaaccagc aggaagtagc 180
 cagaacgact gccacacggt tcccaacagc agttgggggtg tctgttttag aggcaggact 240
 gagaggaggt gccagctggg cttcctgggt caaggaaggg ggtnaaaaaa gctgngaaac 300
 tcactcattt cctgcatcag gacttacttc agtcctgttt t 341

<210> 50
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 50
 acaaagaagt ctctgcccag ggctcgttgct tttaaagata ttctgatgca aaatgccagt 60
 actctgctcc tccattctac agatcaacaa atctttctac agccagggtgc aggggggtct 120
 tgcctgtaat cctagcactt tgggaggcca aggcaggcag atcacttgag gtcaggagtt 180
 tgagaccaac ctggccaaca tgatgaaacc ccattctctac taaacataca aaaacattag 240
 ctaaactggg tgtcgcaacg ctgtcgtccc ancttctnng gangnttgag gcaggaaaat 300
 cncttgaacc tgggaggtgg aggctgcagt gagctcc 337

<210> 51
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 51
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 attctataga tctgcgatgc cggggcagtg atgtcatcat gattgagagc agctaactat 120
 ggtaggacgg atgacaagat ttgtgatgct gaccatttc agatggagaa tacagactgc 180
 tacctccccg atgccttcaa aattatgact caaagggaca tctctgaagg tctctgcaa 240
 ctccagagct cccgcctga ggaatttgct gggcttttgt tgcgantgnc tngaagttcg 300
 ccctttaa 308

<210> 52
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 52
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 ttctcctgcc tcagcctcca gaatagctag gattacaggc gcattgccacc acgcccggct 120
 aatttttgta ttttcagtag agaagggtt tagccatgtt agtttagccag gctgatctcc 180
 aactccgacc tcaagtgatc cgcccgcctc ggctcccaa aatgctggga ttacaggcat 240
 gagccaccgc gccagcccc aggcaacata ttttcttaag gnanctttta anaaggccat 300
 gcatttccac atttccacac ctttcattac t 331

<210> 53
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 53
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 tctcagtgcc tcaaccagca gctacaagtc agagtcaagc ccattatgac cccttcttcc 120
 tgcctgagct ttggccccag atattctgag aggggttggg tctccaggg catcgacctc 180
 acagctctgt cttctgtcct gagctcttct cctggcatgt aaattcagga ctgagataag 240

ccctgccctt catagccctt ttggatgctg cgtgactacc tngaatcan ggaggactgg 300
 aaaagacatt agggagggtta cc 322

<210> 54
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 54
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 agacgctgca ttcttagatt gaaggcctgg ctcttggtgg acagccttct ctctaaagct 120
 actctctcca gggtctggca actgcagcca aaggggccaaa gtgtatgact caggagtgtt 180
 acttgaattc ctggaaccag ctatgcctga agtcaatcca ttccagttgc actttcttca 240
 ttctaaatct ccctgttctt tcaaggatgc ctgggttgcg aacngggntt ccngganggg 300
 taatgacaaa gnggcttatt ccccataaat 330

<210> 55
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 55
 angcaaaaca tgcgcatctt ccatcttata ggacaatgcc aactcctgaa gatcttgctc 60
 taagtgggtca aagggtgagc atactgcagg caacaaaaga tcgagcatac tacaggcaac 120
 caagggtcaa gacaaattta caggatccct ccctaccgtg gccactacc agcttccag 180
 tagtgcttct ctaatttgcg gcccattgga atggagacaa atacctgcag aagaacataa 240
 tcaaaactca aaggaaagta agggaggagca agttttttta aaagggattc cagttggcaa 300
 tcctcttggt actaattctt gttga 325

<210> 56
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 56
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 acacatgaaa agaaaatgct ttcaaggacc aaaggaattc atctacaaat atggaatttc 120
 cagcatggaa gtcagtgaca aagccctggc atacccccat cgcaggtgtc gtgagaacac 180
 cgtccagtgg gacgaggcca gccctgccct gagaagctga gattcccacc ctacctggag 240
 ggagctgagc accctcacag caactctgag cccctgactt caaanggaaa ctttttctct 300
 gtggtatcag acgtagaggg cgggctcttt 330

<210> 57
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 57
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 tagcctccct gagtaactgg gaccacaggc atgaaccacc atgccagct accttataaa 120
 aaatagagag agagacaggg tctcactatg ttgttcaggc tggctctctaa taaattgtta 180
 ttaccaatga aaaaaaaaaa 199

<210> 58
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 58
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 tttcatcctc ttctgctaag aggcgcccct ccaccaccct gcatgagtaa gacacagcct 120
 ccctgcagca cagaggaggc ttntgtgagt gccanggca tcaccaaggt caggggagaac 180

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ctcttgaggt	aactngca	tgtgtcacga	agccgaanag	ggttgaggg	gattgcgtga	240
tccccatcct	gntcatgggc	caccacccca	ntccactcan	aagataaggc	ctcctngatc	300
anatncaatg	actcattgca	tgttatcccc	gcacttttan	aagcttangt	nggccccgatt	360
ggctgaacn	cattantttt	taagaccatn	cctggccaan	aatggnggaa	ccccatttt	419

<210> 59
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 59						
ggtttcatca	tggtgtccag	gctggccttg	aactcctggg	ctcaagcaat	cagccccacct	60
ctgcctccca	aagcggttgag	attacaagcg	tgagccacca	ttcctggacc	ctcgtagttt	120
ttctggagcc	tcgtgatntg	atatgatctt	cctgccgctg	attcctcaca	gtattggctt	180
gccacacctc	caggggcact	gatcacattc	tacctggcat	tatttcatct	gagtnccctgn	240
cctanccctt	ctgccatta	gactgtaacc	ttgtttaggg			280

<210> 60
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 60						
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aggtgctatg	gaaatagcac	atgctaaagg	agtcttctaa	gcagcccana	ggcgatgaca	120
taccagtgcc	agcagaggag	gagaaccacg	cttcagtata	acaaaaactt	cnaatgaatca	180
tgcnaaatgt	ggaaaagtcg	aatagacatg	gctgaggata	aaagaaaaga	acgtacacat	240
aatctcacta	cccagagaga	agcaatgttg	acatatttct	cttcctcaat	gcatattttat	300
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<210> 61
 <211> 70
 <212> DNA
 <213> Homo sapiens

<400> 61						
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gcatactcgg						70

<210> 62
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 62						
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ctttinggacc	agcaagagac	tagantngaa	acagagttaa	aacaagcatc	ataacccttg	120
aagcnaattt	tatcatgatt	tcaattttgca	tattaagaaa	ctaagatttg	gaaaaaaaa	178

<210> 63
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 63						
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aattctccta	agtttagggg	gagacagaac	cacctagaat	cactgacacc	ttgattcaac	120
acaatccgca	gaccgggtga	ttaaataaag	cactttgggt	ttttcat		167

<210> 64
 <211> 435
 <212> DNA

<213> Homo sapiens

<400> 64

gggcattcaa	gataagccat	catatcccct	gtggcctgca	cgtacacatc	cagatggccg	60
gttcctgect	taactgatga	catttcacca	caaaagaagt	gaaaatggcc	tgctcctgcc	120
ttaactgatg	acatgggtct	gtgaaattcc	ttctcctggc	tcactcctggc	tcaaaagctc	180
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taattttcct	ttacctaccc	gaatcctata	aaacggcccc	acccctatct	ccctttgctg	300
actctctttt	cggactcagc	ccacctgcat	ccaggtgaaa	taaacagctt	tattgctcac	360
acaaaaaaaa	aggngggggg	ggnccnnncc	nattttgggt	tnaaacnnnn	gnanttnttt	420
ttaaaagggg	ggggg					435

<210> 65

<211> 355

<212> DNA

<213> Homo sapiens

<400> 65

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aacctccgtc	tcccgagttc	aagcgattct	cctgcttcag	cctcctgagc	agctgggact	120
acaggcatgc	accaccatgc	ccagcttatt	tttgattttt	tagtagagat	ggggtttcac	180
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aatgctggga	tcacacgcgt	tagccaccgc	acccagcctt	atttacctat	taaagagcat	300
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<210> 66

<211> 340

<212> DNA

<213> Homo sapiens

<400> 66

gatgtggcag	aagtgaccct	atgtaactca	gaaagaccca	accttaagag	cttctgcttt	60
cctgcttgga	acacccccta	ctgaaaacca	gctgccaaac	aaaagggcca	ccatgctgtg	120
aggaaatcca	agccagccag	tgaagngaag	agtcacatga	aggacgacca	aggcacagtc	180
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tgatccagtc	aacgccataa	gcaacagaag	aacagcccag	ccaagccctg	cctgaattcc	300
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<210> 67

<211> 439

<212> DNA

<213> Homo sapiens

<400> 67

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cccaccttaa	ctgatgacat	tccaccacaa	aagaagtgtg	aatggccagt	ccttgccctta	120
actgatgacg	ttaccttggt	aaagtccttt	tcctggctca	tcctggctca	aaaagcaccc	180
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aattttcctt	tacctacca	aatcctataa	aacggcccca	cccttatctc	ccttcgctga	300
ctctcttttc	ggactcagcc	cgctgcacc	caggtgaaat	aaacagccct	tgttggttac	360
acaaaaaaaa	aagggccggn	ggggccantt	aanntgggan	taaacnaggn	ngannttgnt	420
naaanggggg	ggaccccca					439

<210> 68

<211> 347

<212> DNA

<213> Homo sapiens

<400> 68

ggtctctgtc	actgaagctg	gagtgcagcg	gcgcaatcac	agctcactgc	agcctcgacc	60
tcccagggtc	aagagatcat	cccacctcag	cctccctagt	agctggaact	ataggtgcac	120
gccagtatgc	ctggctactt	tttgttttta	tagagacaca	atctcactat	gttgcccagg	180

ctggtctcat	attcctg	tcaagccatc	cacctgcttt	ggcctccag	agtgtggtga	240
ttacaggtgt	gagccaccat	gcccagcctc	gaatttcctc	tacttggcct	gaagcagaaa	300
gccacagaca	acagagacct	aagctnctaa	tgaataaaga	accccc		347

<210> 69
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 69						
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tgtggcctcc	atccaagtac	caactcagtg	caagaagaca	gcttcgacct	cgatgatatt	120
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ctcaaaaaaa	cccagtctcc	aaattttcag	gaagactgat	ttgagtaata	ataaaaactct	240
ggtctcccgt	tcaaaaaaaa	aanggccagn	gnggccantt	nanttngnan	ttanccnggn	300
tgaanttgnt	naaanggggg	ggcttacc				328

<210> 70
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 70						
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tgcttgagcc	caggagttca	agaccagcct	gggcaataca	gcaagacccc	atctctacca	120
aaaaaaaaatt	taattagctg	ggcatggtgc	tgtgtgtata	tagtttcacc	tactcaggag	180
gctgagatgg	gaggatagcc	tgagtccaag	aagttgaagc	tgacgtgagc	tgtgatcgca	240
ccactgcact	ccagccttgg	caactgggga	aagaccctaa	ctcaaataaa	atttaaatat	300
atatatacac	acacacacat	atacacacac	acacacacac	acacacacat	atacacatgt	360
atnttttgta	ataaatggat	aaacac				386

<210> 71
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 71						
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tttttgaact	ctctctgttg	gcttctgaaa	gctgaatgct	ctttcaaagg	acctgaagat	120
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atcctgcaag	aaatggcttt	ctatgaggca	aaatggataa	tgccctttta	ttttaagtta	360
caaagagttg	ggtggcaagg	gggtagggaa	ggcaacccta	aatgctttga	atgaattatt	420
gaattgacat	ggtccaaagt	gacatttctt	tttaaaatg			459

<210> 72
 <211> 528
 <212> DNA
 <213> Homo sapiens

<400> 72						
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ctgggcatgt	gtttccttga	gtatatattg	attggaattt	tcccaccttc	ttgcattttg	120
aatatatgcc	agcatttctc	caagatgtat	atcctagagc	aaaatttctg	ggccatagac	180
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tactgcacc	tccgcctccc	gggttcaagc	gattctcctg	cttcagcctc	ctgagcagct	300
gggattacag	agcccctgtc	atccagactg	gagtgcagtg	gtacaatccc	ggctcactgc	360
aacctccacc	tcttgggttc	aagcgattct	cctgtctcag	cctctcaagt	acctggaatt	420
acaggcatgt	gccaccgcac	cccatgtaat	gtcccgatct	tgatggatgc	actctggtta	480
tagaaatgtc	ctcattttta	ggaaatacat	gccaaagtaa	gtaaaggc		528

<210> 73
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 73
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 cctgtgctgt gtaccatgcc cctcctgctg ctgaactgga gagaaaacgt ggctggcagc 120
 ttttgtttct tgagaagtgc cgaatctttt gcatctggtg ctgcgagaag gttcacctgg 180
 ttaaaccatcc tcaagtcagc agcacagctc cttctggaag gcactttaac tggatgggat 240
 cctctcactg tagacattgc tacctccctt tectgaaata aagcctgctc cagagc 296

<210> 74
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 74
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 caacccccct catgtcatcg caaaggctga ggagatcagt atttcaccac acctttgtgc 120
 ttcacttagg tatcgcaagg aaggaaaact gtctccatct gaagaggaca tagccatgta 180
 tctgctttgt tctcttcttg atttccacgt tccccaaaat gggcagggct ggcttaaaaa 240
 gcaatggaga aaaagtctct gagatggatg atggtgatgt tctcacaaca atataaatgt 300
 acctaagtct acagaactgt acacttaaaa atgcttaaaa tggcaaattt tacnttatgt 360
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<210> 75
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 75
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 ttaactgatg acatggncct gngaaaattcc ttctcctggc tcatcctggc tcaaaaagctc 180
 cctactgagc acctgtgac cccactctgc cgccagaaaa caacccccct ttgactgnaa 240
 ttttctttac taccggaatc ctataaaaacg gcccccccta tttcctttgn tgactctttt 300
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<210> 76
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 76
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 gctgtgaagc ctagcacttt gggaggccaa gatgggagga tcgcttgagc tcaggagctt 180
 gagaccacc cgggtaacat agcgagacct cgtctctac 219

<210> 77
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 77
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 aggcactacc attggaagat gtgctgggga gaagccagc ccagcaacat gcggcaggac 120
 cacatctcgg cagagctgaa gacagagacg ttgcagcgac aaggacaact ggcattgcctc 180
 acattcctca gtgttgaaaa caataaaaagg agggggaatg agagaaaaat caaatttcta 240
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 tgtttctacc gtctgggctc tgtgaaaacc tgctccacct cctccttgct atgtgttttc 360

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401

<210> 78
<211> 387
<212> DNA
<213> Homo sapiens

<400> 78

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catgcctgta	atctccacac	tttggggaggc	cagcgagggc	ggatcacttg	agctcaggag	180
tttgagacca	tectgggcat	cagacctcat	gtctacaacg	gaaaaaagac	atcttagccaa	240
gcgtgttggt	gtgtacctgc	agttcttagct	ccttggggggg	ctgaggtggt	agaatggctt	300
cagcccggga	ggttgaggct	gcagtgaagt	gagccgtgat	cgccccgctg	cactccagcc	360
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<210> 79
<211> 331
<212> DNA
<213> Homo sapiens

<400> 79

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cagatcactt	gagccccgga	gttgagagacc	agcctggata	acatcgcaaa	atcttgtctc	120
tacaaaacag	acaaaaatga	ggatcgcttg	agcccgggag	gttgaggctg	cagtgaagcca	180
cgtttgagcc	actacactcc	agcctgnata	actgagcaag	accctgtctc	aaaacaaaac	240
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acttgcctca	aaggngggga	ctaccacagga	a			331

<210> 80
<211> 151
<212> DNA
<213> Homo sapiens

<400> 80

agtctcgaac	tcttgacctt	gtgatccacc	cacctcggcc	tcccaaagtg	ctgggactac	60
aggcatgagc	caccacactc	ggccaccttc	actgattttt	tcctttcata	tttctcttta	120
taagtcttct	attaaaatga	aatgcttca	g			151

<210> 81
<211> 305
<212> DNA
<213> Homo sapiens

<400> 81

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ctgatgagaa	aacaaagcaa	ccagaaaaag	gtggcaaac	cacactgtgt	atattgagaa	180
atagaactgt	cttcaattag	aacaacagat	ttgccataat	ccataaaaatt	catgttatga	240
gagtttgaag	cagttatgta	caatgtttta	tactacaaag	tagataaaga	ccctccatcc	300
cacct						305

<210> 82
<211> 329
<212> DNA
<213> Homo sapiens

<400> 82

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agatcacttg	agccccggag	ttggagacca	gcctggataa	catcgcaaaa	tcttgtctct	120
acaaaacaga	caaaaatgag	gatcgcttga	gccaggagg	ttgaggctgc	agtgaagcac	180
gtttgagcca	ctacactcca	gcctggataa	ctgagcaaga	ccctgtctca	aaacaaaaca	240

aaacaaaata aacaaacaaa aaaaaaangg ccagnngaggc caattnagnt nggacttaac 300
caggnntnaaa tngntnaaaa ggggggggac 329

<210> 83
<211> 443
<212> DNA
<213> Homo sapiens

<400> 83
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ttaacatata acataaatgt gtcataagaa aaagttgaaa attgtggctt ctaatgagtt 180
atctgaaaaa cacttaacat gagatacatc tctcttaata aattgttaag tgcactggac 240
aatattgtca attataggca caaggctgta cagcagatgt ctagaactta ttcatttcat 300
gtaactgaaa ctttatactc attagatagc aacttcccat ttccacctct tcatggcccc 360
tggggaatcac ctttctttct actctctgct gctatacatt tggctacttt agagatctca 420
tacnaataaa tagaatcatg tgg 443

<210> 84
<211> 352
<212> DNA
<213> Homo sapiens

<400> 84
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gccgaggcag gtgaatcact tgaggctcagg agttcgagac cagcctggcc aacatgagga 180
aaccctgtct ctactaaaaa tacaaaaatc agccgggtgt gatggttgca cctgtaatcc 240
cagctactcg ggaggctgag gcaggagaat cgcttaaacc caggaggtgg agattgcagt 300
gagccaagat catgccactg cactccagcc tggtgacaga cgagactccg cc 352

<210> 85
<211> 268
<212> DNA
<213> Homo sapiens

<400> 85
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cctgatgtac aacagttaaa gtgcagagaa accctctgcc aaactttggt gtgctttaa 120
agttatggca gtcaggctcc ctttactgtc ataactggaa cacctttcac ttttcaaaa 180
agctggtgta tctgcttctg gtacaactac aaatatatac ttttgattaa gaaagttgag 240
aaaaaataaa agcagtttaa ttttagccc 268

<210> 86
<211> 179
<212> DNA
<213> Homo sapiens

<400> 86
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gaggcaagcg acggaagagt caagatgact aaaagtcttc tgataaaggg tttctttaag 120
gaaaagaaaa tcccacaatg caaccagcaa tgtaaatctt caataaatac gctgttaat 179

<210> 87
<211> 362
<212> DNA
<213> Homo sapiens

<400> 87
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agagctctcc ctctgtccat gggcacacag agaattggcc atgtgaggac acagtgagaa 120
gacagccatc tgcaaaccag gaagagagtc ctcaccagaa cccagccctg cccggcacctt 180

gatcttggac	ttccagat	tggaactgta	ctaaccagaa	gttcaagcta	ggggttggag	240
aaggaaggtc	atacatacag	aagcaagaac	ctcaaccct	agaactgcta	tgaaaatcaa	300
acaaaatgct	atttgtaagt	agtcttctg	tgctggacta	aattaaaaga	actttgcagc	360
tc						362

<210> 88
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 88						
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cccacaagac	tgccagcgaa	atthttgcaga	ctcaagatgt	tccgagagtt	tggaacaatca	120
tcacagtttt	tggaagccta	tctgagacca	tcttctgtga	agttttattca	gctcataagt	180
gtgaataaaa	aattgctaaa	tgtgaactca	aagagacagt	gcagttttac	atctgagtcc	240
actgaatgca	tcacagaagc	agcatgtgca	gcaacaggag	tccaatagcg	tcaaccacca	300
ggaaacaagg	atcacggagc	atgtgagaaa	atggtaattg	agaaggctga	tcaaggaaca	360
cactaaaatt	ggaggcatga	aacacttggc	gaaatggctc	catnggtcca	tctggggatc	420
ctgggaacaa	g					431

<210> 89
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 89						
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ccacgatgga	nagcaaaggc	cagtttcaca	gacccaaata	catttggcct	ctgaacgaca	120
tggttttgaa	ctgngaggat	ccattttacat	gtggattttc	ttctgcctct	gccgtcccag	180
agacagcatg	accagccact	cactctctc	ctcctc			216

<210> 90
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 90						
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aggcattatt	catctgattt	tatagatgag	gaaatcaagg	gtcagagaag	tgatgtgact	120
tgcccaaggc	ccacagatgg	taggtggcaa	agccaggact	tggaatccaa	gataaagaaa	180
actcagtggg	aaggagaagt	ttgtgattaa	atccaattaa	aggaatagag	taaaataaag	240
aacacagtaa	atttctcacc					260

<210> 91
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 91						
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tactctgaat	ccagatgtct	gacttcacag	gacaaaacca	ctgcatttac	tgttctcaaa	120
tgattttatt	taagaattta	cgcttctaaa	tttaatccct	gagggtaatg	ggttatgtct	180
taaaatatgt	aatggaacat	taaaaaaatg	aattctttct	tgcttggttt	cggccaaaat	240
gtaaataaac	tgaatatcaa	atact				265

<210> 92
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 92						
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gaccgctgct	ttcctgct	ctgtggccag	ggaactcatg	tggtgaagca	ctctggagtt	120
tggttttgca	aagaagtga	atctacaatg	caaatatcca	gatctccaaa	ccctgggtcaa	180
atggcagtga	ctgaagctca	tgccccacct	cccagctgtg	caaccttggg	gcaagtcact	240
tcacctctct	gggcttcaac	ttcctccttg	gaaagacaga	atgccaacat	ccatcctgcc	300
tcttgccaag	atgttttata	gactgc				326

<210> 93
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 93						
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accttggcct	cccaaagtgc	tggaattaca	gaagggagcc	accatgcctg	gcctggagta	120
tataagtgtc	taagaacctt	gttcaaataa	gaaggaacca	gaaaaccctt	cgttatagca	180
attgctctct	cttgaaattg	ctccagatcc	ataacatctc	tcttcattgt	cgggatgtgg	240
atttcatgaa	gatattttga	aggtgctgct	gagacaatgg	ggctttttcta	tataaacaaa	300
gtttttatta	gcttttttgc	ttatctggat	tttactgcta	attaattaaa	gccaataact	360
ttttcag						367

<210> 94
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 94						
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ccacaaactc	agcagcttca	aacaacccaa	atggattctc	tcacagctct	ggaggccaga	120
aggccaacac	tcaaggtgta	ctgggaccgt	gctccctctg	aagccccag	ggaagaatga	180
cttccttgcc	cctgccagct	cctgggtggtg	gccggcggtc	ctgctcgctc	cttggcttgt	240
agacacatct	ctcccatctc	tgctccacc	accgcgtggc	cttctctgtg	tgtctgtgtc	300
cagattttcc	tcatataagg	gcacagtc	ttggactggg	gccatcctca	tacaacatgc	360
tgtagcctt	g					371

<210> 95
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 95						
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attgtctacg	atcccaaagg	aaacaataat	gcgagtacaa	caaattcttc	ttgcaagaga	120
aaatcctgca	aaactactta	acagaataac	actggtcaat	gctctaatac	tacatttgtt	180
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cagtctaatt	ttattttcag	tttaggttct	tgagcaaac	atctttgcat	aaatatttgc	300
ctcactacta	gcctctctcc	atataagaaa	ccatcatttc	tcttaaaaaa	aaaccacaag	360
ttgttttatt	tccacaatag	gnatctaaaa	gatcattttt	aaaaaaaggc	agctt	415

<210> 96
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 96						
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gatatgtcag	caatgctggt	ggtgccagag	gtttctgaag	ggtctcactg	tggtgcctat	120
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cccggcta	ttttttgtgt	ttgtggtaaa	gacgggcgtt	tcaccatggt	actgaggctg	300
gtctcaaact	cctgagctca	agtgatttac	acgcctcagc	ctcccaatgt	atattttctt	360
tgcttccaaa	atgattgttg	agagtaaaag	ttttagtgta	cacatat		407

<210> 97
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 97
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 ttgctgtatt gccctcaaac tcctggcctc aagtgatcct cctgcctcgg cttcccaaact 180
 tacaggctgg acttcatgtg gtatagcatt tcttaaaagt ctcaaagaag tcaactctgt 240
 aatataaagt cctcatatga atngattcta agttgtagnc agccactaat aaacacacat 300
 gcttac 306

<210> 98
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 98
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 ctccccagca cccggcgggg gggtggtgc 209

<210> 99
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 99
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 aaactcgaat caggagtaga acagacctcc atgtggaagt tcaattatgc taagaggaaa 180
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<210> 100
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 100
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 tgtatgtg 308

<210> 101
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 101
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 cctccagagg gagtgcagcg ctgccaacac tttgaactca gccagttat aattattttg 300
 gacttctcca gaactataaa agaataaata tttgaaacc 339

<210> 102

<211> 75
<212> DNA
<213> Homo sapiens

<400> 102
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taaaccacaaa tacgg 75

<210> 103
<211> 489
<212> DNA
<213> Homo sapiens

<400> 103
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tgagagctcac ttttctgct ctaactgcag gagctgggaa tttgaactgt ttctctcact 180
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gacagagaca cagtgtctca aaaggggtga atggcaactt tatcatggac attttgggtga 360
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tgtttctat 489

<210> 104
<211> 390
<212> DNA
<213> Homo sapiens

<400> 104
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cactcttgag aatgnaaatt tgtacaccta tccccaaacc tataaggaac taatgataat 300
cccccccacc ctttggtggt actctctttt tcaanactca ggcccaccct tgcnnccccn 360
aggtggaaat aaacagccct tgttgcttca 390

<210> 105
<211> 361
<212> DNA
<213> Homo sapiens

<400> 105
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cctactgagc accctgtgac cccactctg cccgccanan aacaaccccc ctttgactgt 240
aattttcctt tacctaccg aatcctataa aacggcccca cccctatctc cctttgctga 300
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c 361

<210> 106
<211> 433
<212> DNA
<213> Homo sapiens

<400> 106
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aatttttctt	tacctactg	aatcctataa	aacggcccca	cccctatctc	cctttgctga	300
ctctcttttc	ggactcagcc	cacctgcac	caggtgaaat	aaacagcttt	attgctcaca	360
caaaaaaaaa	aaggncnggg	nggccaattc	agntnggact	taaccaggnt	gaacttgnnn	420
aaaagggggg	gac					433

<210> 107
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 107						
gttaagcact	gggaggcaca	gatgtatgag	gacttgccat	ctaggagtca	gagaatcagc	60
acatatcttg	tcatgtcata	gctgaagagc	tgccacctag	acctgttctc	gctgcttcac	120
tctggttttc	ccatggccca	tatggaaggg	aaccagggtt	gggctaccac	cattttttgc	180
tcccagattg	gaggatgggt	gaggcctctc	catcccagct	tccctggata	acttagttta	240
agcttatgac	acatattctc	tgaaaggcaa	acccatgagg	tgtattcaca	aagaggacat	300
caaattccac	ttggagtctt	gtgtcattaa	accattacag	tcagccctcc	atatccctaa	360
gntctgcac	catggattca	accaccc				387

<210> 108
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 108						
gtgtatcttc	acccttctac	gtccatggt	gatcttctcg	ccaagatttt	tctccaatca	60
aaagtccatc	ttccactttc	tctttggaaa	aagaatgcgt	aacagtctca	ctactgcccc	120
tcacctattc	cctttcactg	acatctcccc	aagcccaact	atcattttct	gcctttaaaa	180
aataactgga	atztatataa	atcaatccaa	cgcctatcat	agaccttggt	tcacagtatg	240
cattaaaata	tgtattgggt	gatcattcct	tctgcagtgt	caagcactgt	gccaggcaac	300
agtgattaaa	aataatgaat	gaaaccc				327

<210> 109
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 109						
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catgggacaa	ggagctgnga	ccagtggcca	gcaagaaact	gaagccctta	gtttaacagt	120
ctacaaggac	ctgaacactg	ccaacaacca	catgagcttg	gaaacagatt	cttcctcagt	180
caaggtttna	gatgagaact	tcattccanag	tagcactagg	attgtgctgt	acctgggtctc	240
ctgacagaga	atctctgaaa	taataaatgt	gtattgtttt	aagccag		287

<210> 110
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 110						
actgtatccc	agccactatt	tttccctcaa	cgtcactaaa	tgcaaggga	taatgaaacc	60
acaggagaga	aaaaagcagc	tgtctgaata	aaagaagaaa	gaggtagatg	cacagaaaca	120
gacggacat						129

<210> 111
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 111						
tttgccaacc	atggattaca	gagcaaacaa	aacaaaaccc	caaggacaaa	ataaagaagc	60
agaacacctt	gaagaaagag	ctgattccaa	ctctgaagtg	ggaaatgtat	aggatgggcg	120

tggtagaaga	tcagaaag	atcaaaaaca	attgaggaca	tgttcaaaga	actcaggtga	180
caaaagagga	tccactggc	caaaaatggg	acaatgaagt	cttatccatc	ctcctcttta	240
ctgtggtccc	cagaactgtg	tcttgaacat	ggcaaaaact	tgttcagctg	tcatgagaag	300
ttgagtgatg	agaccttgag	cgggaatcat	caatgaaagg	gccaaaggaga	tgagatggag	360
cattgtaatc	aacaaaagtg	cttaacccaa	gaaggggtgn	cccttattta	attacctttg	420
anaatgcttg	tnttttaacg	ttacaaggta	tggcaagaca	at		462

<210> 112
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 112						
acatgccatg	tgctgggcat	aggaagtgtc	gtttcagcca	ccccaaggag	caaccatgag	60
tccagcgtgc	ctgctcgtca	cacctcctcc	tacccttgag	cgccacttct	gagttgctca	120
tcagcatccc	cagctcccag	atggctgcct	ttgtcccctg	ctttcacagc	atggatgtga	180
aaggagcagt	agattaagaa	agacccaaga	taaccctgta	aagatattca	ctgtggattg	240
acaataaaa	gcattag					257

<210> 113
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 113						
agacaatctt	actatgttgc	ctaagctgat	cttgaaatcc	ggaactcaag	taattctccc	60
cctcccagag	tgctaagatt	acagttaaaa	g			91

<210> 114
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 114						
aagacaacgc	gaaaacagaa	gcnnnggatca	gagngatgca	gtcacaaatt	ncacaatncc	60
agggcnnmca	acagcagcta	ggagaggcaa	aaatangaac	cctgattctt	ccctgcanc	120
cctggcagga	gtgnggttct	actgggggttt	ggactttctaa	cctccaaaat	tgnaaagaa	180
taaatttcng	ttgcattaag	tcctc				205

<210> 115
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 115						
cccttggtgtt	tttggagttt	taaaactgaa	gccatgtggt	cacgttttaa	tggcagagta	60
ttaatcaact	gaaaatnant	atttntgaaa	tccaagggca	ataaaaccct	gtggaagcnc	120
ccacccctca	cccattactc	aaattcagac	acnannagac	tgctctgtgc	ttcatcctca	180
ccatgatgac	ccttcatttc	aagcaatgga	atattttacag	catcatagtg	gagcttgggg	240
tacaagtggg	gcatggtgct	gatagccctg	tggtcgggtg	gacactgccc	tggtggtggc	300
aactggtgca	tgcttcagtt	ctcctccttg	atcctcagcc	acgctcaagt	cgggtgtttgc	360
tgcgcaactc	agcgctcgctg	ctgcccctgc	taatgagaat	tacattgtca	tgtaataagt	420
accttccttg	agtncatgaa	aataaaaaaa	aagtcttaaa	aagg		464

<210> 116
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 116						
gtgagaagaa	tacttgcatg	cttctgcttt	ggtcctttgg	cacagcagct	cttagaacat	60
aactgcctca	ctcggagaaa	gctggagaga	cccacaagga	gaaaaaagga	ggctcccagc	120

caacaaccag	cacagctt	cagcaaaatg	agttggccat	cttagaagtg	ggctggctag	180
atcccgttga	accacccac	ctactcttcc	tgaacagac	acaagccatc	ccgctgagcc	240
ctagtcaa	tacagattca	tatgcaaaat	aatgcttat	tatttttt		288

<210> 117
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 117						
ggggatattt	ttttttcata	anacctgcct	gtgatgtttc	tctgccgtga	atcatgtcta	60
tatcctcaca	aaggataaaa	accaaagcca	ctagagcaga	gtctttggat	ttttctgaat	120
atggaaagca	nccatgcatt	acattgaagc	atattccaac	gtcaggggaa	agagcactgc	180
ttcctgtcca	tgtcaccgca	aattccgtgc	tgagtgttac	tgcgccaaag	gacatgttag	240
gatgccacaa	cggttctcat	ctggtcctgt	atactcacag	gctgatgtng	tacactagaa	300
agggagggct	ctttccaagt	tacagaactt	attttgcaat	atttctctgg	aaagaattct	360
gctacaagct	ttaatcaatg	taagaaatgc	tgtaactaca	ttaaagtaaa	ctgtacatg	419

<210> 118
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 118						
aagcgccctc	gagaagtgtc	taaaggagac	aagttgatag	ccaaacaaca	gttttggatt	60
cactgactga	ttatgaaaga	agcagtagac	tggtatcaag	aatcagtcag	catgttcttg	120
agcatcctga	gggcagggac	cagccttgac	gaccaccct	ggcagaggct	ccccagcagc	180
agctgctctg	acgagatgtg	ctcccaggag	agagcaacac	tgtgtgggga	aagcccagct	240
ctgagaggcg	gagaaaatgg	gaagatcacc	acctagggtg	gagggcggag	aaagggataa	300
agaggagtac	aaaataaaga	tgaccttctt	gcctaccagc	aggctgagaa	cagatggggg	360
agatcaactg	ttagaaatat	tttagagtgc	agcaaaccac	catggcgcat	gtgtcctgtg	420
tacaaacctg	caggttctgc	acatgtttcc	caaactntaa	ataaattaa		469

<210> 119
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 119						
atcccatgga	gcggatggag	cacatgagcc	aagggtaggc	gggctcagta	aagaaaagcc	60
caaattcttc	ttcagctgta	agttggccct	tactgggct	gcactgacca	gacctgaacc	120
tgactatgtc	atcatgactg	atgccaatgg	gttcataatg	ccattgccat	tggtcaccgt	180
attagatatg	gtgacatcac	tttacacact	tctgagtctn	tccaggcaac	ttgtatgtag	240
tgtgcagtct	gaagcaatgt	ctaattctct	agaagaagtt	ctcaaaggaa	tgtttccaaa	300
aggaccattt	ttttccgata	tattggaaaa	taaaggctca	cctaaaaat		349

<210> 120
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 120						
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cacatcacca	cactgacatg	cctcatgacc	tgggtaata	caagatggaa	aaattgagac	120
ccaggagggt	tattttaccat	gccagaactt	gaaccagta	aagatgggct	ttcataatgt	180
tggccaggct	ggtctcgaac	tctgacctc	aagtgatcct	tctgcctcag	cctttcaaag	240
tgctaggagt	acaggtataa	cattggacaa	aagaaaaaaa	attgagaaca	ggggaaagaa	300
gtttccattg	tctctgaggg	cttcataaag	agcgaatcaa	gaactgacct	tatttctcag	360
atctggatgt	aaacatgtac	tctttctgcc	tcttgcac	gtgacctcac	catgccccagc	420
ataagcttat	gctgacccca	aagtgtggca	gtattattnc	aactcaacaa	gttttg	476

<210> 121

<211> 448
 <212> DNA
 <213> Homo sapiens

<400> 121
 attgaagatg tcttggatag tgttatatat atgagcctgt gttttcagac tttatgaaca 60
 ccttgaaatg agatagaaag tcatttggag ggacaactga atgacacact tctgttcaca 120
 ggtaaccagg accacaagga accacaacag ggaggattac aggatttgtt tatcacctgg 180
 aaaatcttga gataggaaag tacattttcc aggttccttc ttcctctggc ttccagacag 240
 gttcagccaa tggaaaacac tgggtggaaaa ttgaagtaca ggaggaaaca agaagccaaa 300
 gttcattgaa aagttcagga aagaagaaag aagaattcat tgaaagaaga aaagaacagc 360
 agtatggcag gngataaacc ccaagttttt gggtcennnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnaaaagg gnnccggggg gccttttt 448

<210> 122
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 122
 ccaaccttcc agccagagga ggctctctga cccagttcta cccaaacaga cccaaacaga 60
 agcacctgac aagaaagtgg ttatgtttct agagctgcat cagctattta taacctgat 120
 ggcaagtccc agagaactgg tcttgccatc actgagcagt tgaaccaata ccagcatcac 180
 caactttcct gtatatgaga aaaataaact ctatttcttt t 221

<210> 123
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 123
 gaacccccgg agcttctcgc atcgggtggg accggcatcc ggtgagaccg cgggtggctct 60
 ctggggctga aaattccaag cagagtagcc cgaggaatcc agccatcccc gaggggttcag 120
 aatgcaaat cagggctgtg tattcacagc ctggactgga gatcgaccaa aaactatgca 180
 gggctcacc ttgcggggcg gcggctaaat ttaggaaacc aacctctgg agaatgcagg 240
 catcagaagc cctgcagct agggagatca atttcaagtt catttttatt cactgttcat 300
 agatctccca gtttttcta gcgtgttcaa gctggaaagg atttcagaga ttgtgtcacc 360
 tagatttatt ttacagaagg aggaactgt 389

<210> 124
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 124
 aagacaaggc cgtggctatg ttgccaagc tgggtctcaa ctcttgggct taaacgatcc 60
 tcttgcttg gctcccaat gtgctgggat tacaggcatg agccactgtg cccagccctg 120
 aaacaatatt cttgatacat aaagaacttc tgtaagtcag taagaaaaac actaacaatg 180
 taaatattaa aggacataaa atagctaag tacaaaaagt agaaatgtta cagttaataa 240
 acaggagaaa tgcttaacct c 261

<210> 125
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 125
 gtgggggtctt tcagtggaga agtgtggaga aggaaaggag gacctggact gcaggtggag 60
 gaggaccaag gaggtcttg taatatcaag atcaagcgtg ataagatggg gttttgctat 120
 gttgcccggg ttggtctcga actcctgggg tcaagtgate tgtccacctc ggctcccaa 180
 attgctggga ttacagacat gagccaccgt gtgcagcctg cctctgtcct tctgaaaaaa 240
 agatggtaca gtcaagatga cctagctgta acctggctac tagaggacca aggagaaaaa 300

taaacttcta	ccacgcttcc	gaaaacaagc	actcaaactc	aggagatact	tgattgaagt	360
tgaaaaaagg	ggngcattcc	ccaaggcagt	accctcatga	atgggattag	tgctctttaa	420
taaaagagac	ccaagagagg	tcccttgctc	cttc			454

<210> 126
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 126						
accctgaatg	ccaacaacca	gtttgaagac	ccccacagag	gaacggatca	gcatgagaat	60
gcaggtgggt	cacctccctg	tcccatgttc	accctgcatt	tttcgaccaa	tcaacaaccg	120
ccaagcctgc	ccctttccaa	aacccttaaa	aactctaacc	caaactcctc	agagagatgg	180
atttgaggtt	tcctccctc	tcattcggtg	gccctttgat	taaaccttcc	tctgctgc	238

<210> 127
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 127						
gacatccttc	ccattgacac	tgaggggggc	aactacatgt	tttaatcaga	gcccacagct	60
gcccacaccc	actgcagagt	gagctactct	ccaccaaccc	tgagccctg	aagtttctgt	120
gaccactgaa	gaggcctgtt	ttcagactta	gggtcaaagt	gtgggtgacc	tccaacacct	180
actgtagtga	aggaataaat	gtcaatag				208

<210> 128
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 128						
gcttcactga	gaagatgaac	cngccgatga	ggtgtgcaga	gaactttggc	tgcaacaagt	60
aagaggaaga	ggctgagtct	cagctcagag	agtgtctggt	atgccaaagca	cagcagagct	120
gccagaggga	tctacttgga	atctggggag	gccctgggga	gactaactgg	tacaatttaa	180
agagatgcaa	agcaaattgat	atgcggggca	atcatgtgaa	aagcctgctg	ccttacagga	240
tggaactccag	tgctcagtg	ggacgggctg	ttgggggctg	ggttttggtg	gggcaagagg	300
gccccgggatg	gagtgatgga	cactctaact	cactactccg	ccgtccaata	cagtccagat	360
tgnttaacaa	ctcttaaaaa	taaa				384

<210> 129
 <211> 356
 <212> DNA
 <213> Homo sapiens

<400> 129						
acggaatctt	gctctgctgc	ccaagctgga	gtgcaatggc	acgatctcag	ctcactgcaa	60
cctccgcctc	ctgggttcaa	gcaattctcc	tgccacagcc	tcccaaccag	ctgggattac	120
aggcaccac	gaccacgcc	ggctaatttt	tgtattttta	gtagagatgg	ggtttcacca	180
tgtnggccag	gctggtttca	aactcctgac	ctcgtgatcc	gccaccttg	gcctcccaaa	240
gtgctgagac	tacaggcatg	agccaccgcg	cccagccaag	cagacacttt	tctaatacat	300
tttctgttca	ttgtacaaat	taattcttaa	tgaatgaaga	aattatttta	atctac	356

<210> 130
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 130						
gccctgcact	cgatggatca	gctggcacca	cccagatcaa	taaactggct	catctggtct	60
tgtggcctcc	atccaagtac	caactcagtg	caagaagaca	gcttcgaccc	cgtatgattt	120
aatctccaac	ctgaccaatc	agcactccct	actccctggc	cccctaccca	ccaaataatc	180

0948674-102299

ctcaaaaaaa cccagtc c aaatttttcag gaagactgat ttgagtaata ataaaaactct 240
ggtctccccgt cc 252

<210> 131
<211> 456
<212> DNA
<213> Homo sapiens

<400> 131
tgtgaggata caactgggaa ctaaagctgg aagatgccag acattcagca gggagttccc 60
tcatcagcag ctggctaact ggggaactga aagtcacaag gcgctcgttt ctgataactc 120
catgaaaatt cactctgggt cagaaatcaa tctttggagt tctgaacatg cagcttttct 180
catgggcctt ttggagaaca atcagctact cagccatcag agcctttttt gctggatggc 240
aggcaggaac tgacagcaaa ccatcgtctc tacaacacgc agaagatcag caccaagtct 300
ccattctccg aaaacatgtg tccatgcagc tctcccangg gaggtctgcg ctgcagtgga 360
angccccaag aagcgtggga acccancttc atcgcataaa ggaaacncag agttgtacct 420
ccagatgcca ggcggagcgg cgacgtgacg cagcgt 456

<210> 132
<211> 462
<212> DNA
<213> Homo sapiens

<400> 132
atggctcacc tgaaattttct gacaacctgc ttcagctggg attaatcttct ttgaagtga 60
atcagtttaa ctgaggaatc aatttgcttc cttccatata tgccaaggaa aaactgtaca 120
tagacattga cccacaatac ctggttgacc acgggatccg caagagatgt ccaaattatg 180
aacttcatt aaaaaaaaaac ggtgggttcta tggctgcctg gaatggccat atttaattgc 240
tccccaggat aatagcattt attgttaaac ttgctagaaa cataacaaaa acgtaaatgc 300
taatctttaa aataagcagg actcctatca catccttctc ttgnggcttt tttccctata 360
cccctgcttt gggaaccggc ttgtttggan tngaaaaagg ctctggaaca ngggattctc 420
acctcancac tgttnacatg tgggacccaa aattttggga aa 462

<210> 133
<211> 356
<212> DNA
<213> Homo sapiens

<400> 133
gggcattcag nataagccat catataccct gngaccngcn cgcncacntc tcagatggcc 60
ggttctctgcc ttaaccgatg acattncacc acaaaagaag tgaaantggc ctggttctgc 120
cttaactgat gacatgggtc tgtgaaattc cttctcctgg ctcacatcctgg ctcaaaagct 180
cccctactga gcacctgtg acccccactc tgcccggcag agaacaaccc ccctttgact 240
gtaattttcc tttacctacc cgaatcctat aaaacggccc caccctatc tccctttgct 300
gactctcttt tcggactcag cccacctgca tccaggtgaa ataaacagct ttattg 356

<210> 134
<211> 245
<212> DNA
<213> Homo sapiens

<400> 134
aaggagctga gtctccccag aagaggaagt ttcaactgag cgattctctg acagaacatc 60
gtggattgag aggaaataag aatgggtgtg cctgctttag gattacacag tgctggacct 120
ttgaggaagg agaagcagag atggatagaa ttgttggtgc agaactgagc ttgtatactt 180
ggtcctgtgg agggatatcta ctcttcttcc agctgcgtag ggtaaataaa ggtttttcta 240
aagct 245

<210> 135
<211> 385
<212> DNA
<213> Homo sapiens

<400> 135
attgttcaaa gaaacactgg gaactttccc ctccctgagg aacttccata gatgtacacc 60
tttggctctcc atcccaaact tgctgacctg tgattgttca tccactgcca gccatctctg 120
tcctccacct gcacctggga cctgttgccc tgcacccatg gacaatctcg gcttccatcc 180
agctccactt tgcgctctct ccactcttga atcgcatgaa cccaaccaac tggttcatgt 240
gtttattttt catttcttcc ttttgttcta tgtaagtgtt tgtttatttt ttaacctttt 300
tacttgccct gaatcctttt tggaaataga tgaggtctaa attaaaattg taataaataa 360
caccgaacat agccttttta aaagt 385

<210> 136
<211> 400
<212> DNA
<213> Homo sapiens

<400> 136
gacgtctggg gagctcctgc attaatgcat gaactgaggg tggcactgca cagagatgga 60
acctgatgaa acggcccat ttagagcgcct gctgtatcgc gttggctctg ctctcctgcag 120
ctgtgtctca agatgagcct ttcagacatc gctccctaata agtccatct cccccagtc 180
aggaggatgc gcattcctct cctcattcac atgcaccact tcaagccatc tgcacgctct 240
acaggggact tgccgcctaa cctcctaata tgcaacccca tccaaatcct ctgctggaat 300
ctcactattt gcaccactta cgctccngga gcgtgaaaca gaagggccag tcctcttctg 360
tctttattct aagtgnntaa tacagattcc atgggcttgg 400

<210> 137
<211> 216
<212> DNA
<213> Homo sapiens

<400> 137
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caggacacgc acacaaagcg agggtcagcc atgtgaggac agtgagaagg cggccgtcna 120
cacgccaagg agagaggcct gggaagaaac caaccttaca ccttgacatc agacttctgg 180
tctccaaaac ttaggaaaaa taaatttctc ttgttt 216

<210> 138
<211> 450
<212> DNA
<213> Homo sapiens

<400> 138
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tagctgtctc ttcaggctag taatctcata tgtgttggga caactgagct tccagaatga 120
agagggcaaa tatgtgccag acagagtgtc actgtattgc ccaggctgga atggagtgg 180
gtaatcttgg ctactgcaa cctccgcctt ctgggggttc aagcgattct catgcctcag 240
cctcccagac aggcgcacaa caccacgccc ggctaatttt tgtattttta gtagagatgg 300
ggttttgcta tgttgccag gctggctctga cactcctagc ctcaagtctg gtctgcctgt 360
cctgggctnt taaaagncct aggattacag gcntganccc cgaccagnc ctgattttat 420
ctcttgatca tctggattaa actgtaccaa 450

<210> 139
<211> 330
<212> DNA
<213> Homo sapiens

<400> 139
gaaacctgcc ggaattctcc ttcttccccc gtcttcacac agctgtgacc ccgaacctgt 60
ggagtatcgc tccttgaggg gctcctgcag cacctggtac ttggccttgg tgatatggac 120
cacttgattc aacactcttc ctctgggtga atgggacatc cctgaaggca ggaccaatgg 180
cccgtcatt ctccagagcc tggtcatca tgagcccttg aggtactaat tgaaggagta 240
aattcacatt ctcttggac atttctttt actctttctg tgcattgctaa tttactttct 300
ctagtaaaaa taaatgtcat tttgttttac 330

<210> 140
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 140
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 taggaacgag gaagcaggtc ctcaccagac aatgaatctg ctggcgccctt gatcttggat 120
 gtccagcctc cagaactgtg agaaataaat gtcttttgtt tgtaagcaaa aaaaaaaggc 180
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<210> 141
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 141
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 gagagagtgg acaaaatggc tcttgtcacc aatggaatgc tctacagcaa ttcaaaagaa 120
 agaaacacct ctacatatcg atggaaataa acaaaaacta ggtgcaatgt ggtgtcctgg 180
 atgaatcctg gaacagaagg agaacatacg aggagaaact gttaaagtcc aaataaattc 240
 tggaactttg 250

<210> 142
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 142
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 agcacggccc attcatctag actcacgcaa tgactgtgat tccaaaagac tgaccaaaca 120
 ttaccaagtg ggcaggctac tggggacaat tccggaaaca tttctaggaa gactggaaga 180
 aatacagtaa tctagcacat atgcaaaaga atatcaaaag atgaactgtt tcatcagcc 240
 aacccttatg aatgctaaca tgtccagtc tcttacagtt cgtcgctagg ttaatatagg 300
 cattcaaaaaa ttt 313

<210> 143
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 143
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 gaaagggctc actttctatt ctccatatatt aacaagatcc catgttttag gtgagcactt 120
 tggtcaccca cttaaattgac gacatttctc agactcactt gtagtagaat ttatagccat 180
 ttgatttagt tttggcctgt gagctgtaag ggaaagtgtt caatgatgca tcaggagagc 240
 ctcccttaaaa acaaaaggag aaagtgaagt gagttatttt cccttttttt ttcacctctc 300
 tgcctggatc atggtggatg tgaaagctaa gttctgataa ctggcttggg ccatgagaat 360
 aagggccccg ttgtangggg gggggaaaaa ttgngctgga anaaagaact ngcntctggt 420
 atgacttcat ggagcttctg cca 443

<210> 144
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 144
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 cctccgcctc ctgggttcaa gcaattctcc tgccacagcc tccaaccag ctgggattac 120
 aggcacccac gaccacgccc ggctaatttt tgtattttta gtagagatgg ggtttcacca 180
 tgtngggcag gctggtttca aactccngac ctcgatgacc gccaccttg gcctcccaaa 240
 gtgctgagac tacaggcatg agccaccgcg cccagccaaa gcagacactt tttctaatac 300

attttctgtt catttgtata aanttaantnt ctttaattga at

342

<210> 145
<211> 393
<212> DNA
<213> Homo sapiens

<400> 145
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caggcgctcc ccaccacacc agctaatttt tgtatttttc gtagagacgg gatttcgcca 180
tgttgtccag actgggtcca aacttctggc ctcagggtgn ccgccccct cagcctcca 240
aactgctggg attgcagggt tgaaccacag tgcccggccc attctttctt tttcttagca 300
tcctatatt agtctgtttt cagcgtgcta ataaagacgt acccaagact gggaaaantt 360
attgntnaca aaaaaaaaaa gggcgggggg ggc 393

<210> 146
<211> 281
<212> DNA
<213> Homo sapiens

<400> 146
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gaattggcct ccgctaggcc tataatngaaa ttctatatag ggccgctatg ngccaatttc 180
ttttgctttt taccctgggg gaaaggaaat acctcattag aagccccacc ttctggtgta 240
ttttacccc naattctttt aacaaaggaa aaaaaactgg t 281

<210> 147
<211> 472
<212> DNA
<213> Homo sapiens

<400> 147
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tttctgtatt ggctttcaag agtattgtcc ttgagggaaa gccatctcct tcttgacacc 120
atggctaccc ttagaccctt cgtgaagccc aagatcatct aagatggacc aagaagtta 180
tccttcacca gtcagactga catatcaaaa ttagatgtac gcatatagca gcaaccacga 240
ggcattgaca acaggggtgg gagaaaaatc aaaggcgaga ccttgatccc caacattggt 300
tgtgggagca aaaagaagca aaacacatgc tccccagtg ctttcaaaaa attctgnttc 360
ccnatgtca aaanctgga agtgctgctg atgtgcaaca aatcttactg gctgagattg 420
ctcaacatgc ttctccaaga acgggtaaag cctgtggag agagtaaccc gg 472

<210> 148
<211> 465
<212> DNA
<213> Homo sapiens

<400> 148
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ggtgatgtca ttgaaaatga tgagtaggaa actccaagag cgcatttctc cacaaaacca 120
gtgaatacat tggcacaat tgtcagaatc aattttatat aaattctgga aattagtcaa 180
aggtttatag taaccaagga aacatctttt taaaagatg gctgaggctg gatgctgtgg 240
cttataacctg taatcccagc actttgagag gccaaaggcga gcagagcatt tgagtcagga 300
gttagagacc agcaaaaaaa attagctggg tgtgtttgcg ggcacctgta atccctcagg 360
gaggctgagg cgggagaatc gcttgaacct ggaagatgga ggttgcatg agccaagatc 420
gtgccacctc actccagcct ggggtgataga gtgagactct gtctc 465

<210> 149
<211> 434
<212> DNA
<213> Homo sapiens

<400> 149
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 tccctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
 taactgatga catgggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180
 cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240
 aattttcctt tacctaccg aatcctataa aacgncccca cccctatctc cctttgctga 300
 ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagcttt attgctcaca 360
 caaaaaaaaa aaggnnnngg gggncnattt anttnggant taancnggnn gaaattnttc 420
 aaaagggggg gact 434

<210> 150
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 150
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 ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
 taactgatga catgggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180
 cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240
 aattttcctt tacctaccg aatcctataa aacggcccca cccctatctc cctttgctga 300
 ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagcttt attgctcaca 360
 aaaaaaaaaa ggnncnngng gncnattnag ntnggnctta accngngnga acttnttcaa 420
 aaggggggga ctccc 435

<210> 151
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 151
 aatcaagatt tcaactggatt tcccttgagg tgcacatttc ctggatgatt tccacttggtg 60
 aaatagaaga agattcgttg c 81

<210> 152
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 152
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 tgatggaaaag ctgtttttta aagacaaaaga tgggtggggaa aatacaatta atatctactg 120
 acatctacta caccagccac tgtgagggga agtctacatg ttatcttata aaaataaaaa 180
 caccataa ccaccatc 198

<210> 153
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 153
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 acagatttgc tcggcttcac cctctgatgt gttccacacc acttcacgcc actttttcaaa 120
 aagatgataa aacgtcaggc tgagtagaac agaactgggt gcaaataaat ctctctgaag 180
 ctaacttgcc tctctctacc cctacttccc tctgcacgtg cctttgcttt attcccctgc 240
 atgagagaag cagtcaaate tttcccatth tcatacctgg attgctgctc aacagcctca 300
 acaactgaga cctgaatgta tccccatttt aaagaaccta acagaacatt aaaattgttt 360
 cctgagc 367

<210> 154
 <211> 408
 <212> DNA

<213> Homo sapiens

<400> 154

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acaaaagctg	ccaagctcaa	agaggctgaa	agccccatt	gagtgccgaa	gagtcaataa	120
tatctgactc	aaagtcacga	tgattcttcc	gatacacaaa	caaggccaca	actacagaga	180
tcgccaggca	aacgatcact	gctatcacaa	tcccaacata	gagagcaaca	tcattctgaat	240
caggagcggc	tagagaggag	agtgaacat	tgaaccagct	gcttatagaa	atttcccaca	300
gtacacatat	gtattgctat	aattttttca	gacatttact	gcctttttta	taggttaatt	360
tcaaatctat	ttcaaaagct	atataaaatg	gctgtggcct	ttcagtgg		408

<210> 155

<211> 364

<212> DNA

<213> Homo sapiens

<400> 155

attccctaga	gacaaagcca	gtttgcctga	cctctcaacc	aaagaaccct	gacaacttac	60
tccttagcta	gtatctccgt	atatataaag	atgtcaactt	catcatcagt	tcccagaaac	120
cctctccaac	tgagtactgt	attgtatgta	atatgaacaa	aaactatgaa	aggaaagaaa	180
attgaggccc	agagaatgca	aaaaatgatt	aaattcagag	gcaaataact	gagaagtagc	240
aaggccaaga	acaggcatct	aggttacaca	tctctatctt	cgagtgcatt	tttctaaaac	300
aaagggcttg	gaccacaaaa	ccatcacctg	gaattgcatg	tgtgactgaa	agggaggaaa	360
ctgc						364

<210> 156

<211> 291

<212> DNA

<213> Homo sapiens

<400> 156

actccaaata	agaaaatgaa	agagtacaat	tcaggagatg	aaagaaaagg	aaaatccagg	60
aaattcaatc	agatctacat	gactcatgtt	gtgtcaactg	caaatttctg	atttcaaact	120
taaaaaaaaa	gaaacttcaa	ggacccttca	aattatgttc	aagtcatatg	cctgatgaga	180
caattgaatc	acattactgg	actacatfff	ttccccttga	ttcaatctct	tgctgccaca	240
aatatgtttg	ttcagtgtaa	atggagtgat	aaagattgac	ctttctagtt	g	291

<210> 157

<211> 454

<212> DNA

<213> Homo sapiens

<400> 157

ttggggagct	cctgcattaa	gtnananctg	angaaaaaga	gaacagcgag	gagaaaagga	60
taatagagga	aaagagcaga	aagaagccat	ttatatctga	ctgctgctgt	gggagttaca	120
gaatctccct	cttcaacttg	ggccctttgc	agatgggtgc	tctacaaagc	aaagtgaat	180
ggacgggttt	ccagctaatt	tgTTTTgtat	ggacagccaa	gctggacact	tgacagaccac	240
aaagtctgtg	aatgagaacc	tgggagctga	catgagaaga	attgagctgg	agccttttgc	300
catcactgaa	taaataactt	accctcttga	atccttacct	gtacgactgg	cataagacac	360
cagcctgcct	ttcacacagc	ttgtgatcta	ataagataat	gcttatgtac	ctgttttaat	420
ataaatagac	tgatattaaa	atggcacgta	acac			454

<210> 158

<211> 373

<212> DNA

<213> Homo sapiens

<400> 158

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ccaactgatc	aatatgaaat	cagtcattcca	cggccgggcg	cagtggctca	tgctgttaat	120
cccagcactt	tgggaggctg	aggcgggtgg	atcacctgag	gtcaagagtt	ccagaccagc	180
ctggccaaca	tgggtgaaacc	cogtctctac	taaaaatata	aaaactaact	gggcacagt	240

gcgcacacta	ataccagctt	cttggggaggc	tgaggcagga	gaattgcttg	atatggggag	300
gcagagggtta	cacagagcca	agattgcgcc	attgtgcgat	ccagcctggg	caacaagagc	360
gaaactccct	ttc					373

<210> 159
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 159						
tctgggggagc	tcctgnnttn	agntacannt	ntagggcatn	actganagcc	atctatcccc	60
tgngacctgc	acgtacacat	ccagatggcc	ggntcctgcc	ttaactgatg	acatttcacc	120
acaaaagaag	tgaaaatggc	ctgttcctgc	cttaactgat	gacatggctt	tgtgaaattc	180
cttctcctgg	ctcatcctgg	ctcaaaagct	cccctactga	gcaccctgtg	actcccactc	240
tgcccgccag	agaacaaccc	ccctttgact	gtaattttcc	tttacctacc	cgaatcctat	300
aaaacggccc	caccctatc	tccctttgct	gactctcttt	tccgactcag	cccacctgca	360
tccaggtgaa	ataaacagct	ttattgctca	c			391

<210> 160
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 160						
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cgatgaacac	atcgatcgca	tccagcagta	tgtctgtatt	ggaaaagtcc	ttccatagca	120
cccagtaatg	aaaaggaatg	tggcggggag	cagtactgga	cagtaaaaact	aaaaacacca	180
ggaagatcac	agtgagatca	gcagagccct	agaatggcaa	atccatgaca	aagaaaattt	240
ctgatgaata	aaaacgtgcc	tgggtccagg	ccagcaattg	gcttc		285

<210> 161
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 161						
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atgaaggaaa	cagaaagact	aaacagcatg	cgtgatcttt	gattcagagt	ccccatctca	120
ccctggactg	ccttcctttg	gaattccctt	gtggaaaaaa	aaattaaact	cttatttggg	180

<210> 162
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 162						
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ttgtggcctc	catccaagta	cngactgagn	gctagaagac	agcttcgacc	ncntgtgatt	120
taatctcnna	cctgaccaat	ctgcnctctc	tattgcttgg	cccnctaccc	accaaaattat	180
tttcaanaaa	accactntc	naggttttca	agaanactga	tttgagtaat	aataa	235

<210> 163
 <211> 588
 <212> DNA
 <213> Homo sapiens

<400> 163						
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gcttggagta	ggaaaaggac	tgaagactgc	agcagccagg	tgaacttcta	ttcgtccatc	120
aagacccaac	caaagaaac	ccacttgaag	ccaggcggga	gggtcacgc	ctgtaatccc	180
agcactttgg	gaggccgagg	ctggcggatc	acctgaggtc	gggagttcaa	gaccagcctg	240
gccactatgg	tgaactccg	tttctactaa	aaataaaaaa	aatagccggg	catcatggtg	300

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ggtgcctgta	gtcccagcga	ctcgagaggc	tgaggcagga	taatcgtttg	aacccgggag	360
gcggaagttg	cagtgagctg	agattgcacc	attgcactcc	agcctgggag	acaaagcgag	420
actccgtctc	aaacaacaac	aacaacaaac	tacactctag	tctgggagac	agagcaagac	480
cctgtcttaa	aaacaacaaa	acaaacaagg	aaacccatt	tgtaactgcc	actaattgga	540
ctatacttct	ggtggggccat	cttcaagctt	cgggcttgaa	taaacct		588

<210> 164
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 164						
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aagatccgaa	gcaatatcag	aggccactgc	accagcagc	agagatgaga	acaactgaag	120
ttccaaatag	atctatggca	agctcaaagc	taaggctcata	aaatgttcta	tgaaagcaag	180
accatgggaa	gaactggcac	atgtgttttg	gaagaggaaa	aggttattga	gtgcctacta	240
tgtgtcaggc	actgagctga	atgcttccac	atattaatgt	tttatacttg	agttttcatt	300
aacagctcta	atctgtacta	ttaataaaaag	ataaagaaat	cc		342

<210> 165
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 165						
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gagctgtact	gaggaagttt	gtggagtggg	tggtagtgat	agagacatac	tcaggaaggc	120
tggacccatg	gaggctgccc	accttggtca	ttgatttcta	cttgattgat	tccttcttga	180
ttgatttcca	ggatctctga	aacgagaagc	cctccccctt	atatgtttta	tcagatattg	240
caaagtggac	ctgagaacga	gcctgtcgga	agcagattat	gaaggggagc	atgttttgaa	300
tatgctgaac	tgctttgggt	tgtgactggg	gaagattaaa	ggcctacaac		350

<210> 166
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 166						
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ttgtatctag	gtggtgccat	ataactactc	ccaccaatgg	aatggaaagt	gatttgagca	120
cctctaggct	gagggagggt	gaaagtgatg	tgcttctctc	gtgctctctt	cctccatctg	180
ccaaacagac	acaggggact	ccaagaccct	agggaaatga	agagcaaccc	atggaagggg	240
cctgggctgc	tgaatcactc	agggcagggt	tccaccgggt	gagtgaaccac	cagtctgaaa	300
cacctatgtt	ggactgagtg	agaaataaac	tctactgtgt	taagccat		348

<210> 167
 <211> 574
 <212> DNA
 <213> Homo sapiens

<400> 167						
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ctgcctgggt	cactgcagct	cacttcatct	tcctgtgcct	tctctgaaag	ggccccctca	120
aaagtttctt	ggaaactctc	aaacaactga	gaaggtgcct	cgacatctga	tttgcccaaa	180
acctctatac	attggacatc	ttctgaataa	ggctgtgttg	tatgttggga	caagcaaagg	240
gatggaaatc	aagaattctg	ggtttttagtc	ctgactgtca	ctacatgggt	gtgttacttc	300
tgactctgtg	aagcagaact	cgggcctcta	gcgtctgcta	gtctagatct	aaaggtgttt	360
cctgaggggac	agtttggcct	ggcatgcagg	tacctctgca	gaccacaaca	gtgcaccgaa	420
aacacccccct	cccagcacgc	acacaagtct	ggctcctcag	ccaaacatca	aacaccaaca	480
ctgctgcccc	tgccagatgc	caaagtgaga	taatgtgtgt	tataccctta	agtgnntac	540
aaagagaaaa	gattaataaa	tgttagctat	cctt			574

<210> 168
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 168
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 agcctaccag gaccttgatc ttggacttcc ctgccagcta gaactgtgag aaaataaata 120
 agtacatatt tgttgtttgc accacccagc ctataggatt ttgttatggc agccctagca 180
 gactaataca tgcngtgttt tgatataaat ttattaaaga aacttcttta ttgcttacc 240

<210> 169
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 169
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 tgtgccaggc cccgtggaca gcactgtgga cacagatgcg taataacagt tcctaccttc 120
 cagatagaga ggcaagaaag ggctgtggaa gcaaacccaa ggtactaagg aagccgggaa 180
 gagaacctac tctagacttg gaagttgaag gggtaagaa acattcctag agaagatacc 240
 tgagtcttga aaactgagaa ggaattagta acccaacaga ggtgggaact ttctgaggac 300
 ggagatggag aggaagatgc tgccagctga gggaccacca ttctgaaagc taggagaaag 360
 tgcgcgatgg aaagtgggac tgaggggaaag gctgtaagca cctcactatt aatcacaatt 420
 ctccctatag gaaaataaat gctgtttcta cttc 454

<210> 170
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 170
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 aatattctct gcctggaacg cgcattcccc agatatccac gtggctaact ccctgacctc 120
 ttttgagtct ctgctcaaat gttattctct cactcacaca caccnttggc actctactca 180
 aatttacaac cagccaccta cccccagcca aaactctgct agaaaaaac ggtatttacc 240
 ataaagtcat tgccaagctt gt 262

<210> 171
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 171
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 gcctctgcat ccaggattca agctattccc ctgcctcagc ctcccaaaat gctgggatta 120
 taggcgtgag ccgccacgcc tggccagcat tcccaatttt taaaaatgaa tgattggcac 180
 aaatcttaga aagccatttt ctgtagattt gaaagcaatg ctattttacat tgttactact 240
 ttcttggtta atcttgcatg tctgcagtat gtgttgtaat agaaacctaa gattatg 297

<210> 172
 <211> 113
 <212> DNA
 <213> Homo sapiens

<400> 172
 ctggactccg tcccatagat gagctgaagc aaaaggacct tcacacagaa cttttatcat 60
 cagcctgagg aaaagtactc gaaggacaag gccattgggt gggaacttac acc 113

<210> 173
 <211> 466
 <212> DNA

<213> Homo sapiens

<400> 173

cagggcctaa	gctgactttg	caagagatct	cgctaagcct	ttctgcagat	gcttgcccaa	60
tctggctggc	cctgctggag	gatatatgct	gttaaggcaa	ggcaggcaga	ggcagctctg	120
gctcgtctcc	acgtgcactg	gctggctttc	cagaggggac	aatgcacccc	acagaccaca	180
gctgtcattt	ggccatctct	accttcaacc	ttaccaagca	cctggcctca	gcacagattt	240
tcagagaaaa	ctttgaacaa	agcaacccaa	cactgtattt	gtagaattgg	aagagacttg	300
gagccttccg	aatgtgacct	gactgctcaa	atggagaaat	gagaagtggg	taagcttgag	360
cgcaagctta	cactgnnagg	tgggtggttg	aaacgaaaac	ctctggattc	ctattaccag	420
gncaagtnnt	actnttcagt	ttatcataca	nggctttaag	gggagc		466

<210> 174

<211> 354

<212> DNA

<213> Homo sapiens

<400> 174

atggagtttc	tctctcgttg	cccagactgg	agtgcaatgg	cacgatctca	gctcactgca	60
acctctgcct	cctgggttca	agtgattctc	cagcctcagc	ctcccagagta	gctggaatta	120
cagggctccc	ccaccacacc	agctaatttt	tgtatttttc	gtagagacgg	gatttcgcca	180
tggttgccag	actgggtcca	aacttctggc	ctcaggtggg	ccgccccct	cagcctccca	240
aactgctggg	attgcaggtg	tgaaccacag	tgcccggccc	attctttctt	tttcttagca	300
tccttatatt	aagtctgttt	tcacgctgct	aataaagacg	taccaagac	tgag	354

<210> 175

<211> 181

<212> DNA

<213> Homo sapiens

<400> 175

atcctcagtg	tcatatgatg	gctgctgtag	atcctgccaa	agaagataga	gtatcttcat	60
cacaagccag	ttcctgacct	tcccactaga	ggagctgaac	aaatgtcatg	acaatttaac	120
agaatagagc	tacagaaaga	gctaacagaa	tagagctact	catcatcacc	ctctagcctc	180
c						181

<210> 176

<211> 240

<212> DNA

<213> Homo sapiens

<400> 176

gaaagtgtg	tttttgcctg	tgcactcaag	gcctcgagga	ctttccccac	ttttttctat	60
ggcacacaga	gttctgcacg	tgaacttctt	gctggttaac	tggtattgcat	caaaatgatt	120
tctctgtgag	gtactattgc	taccaggata	tcaattacta	tcctaattgtg	gacatttgct	180
ctgatatgca	taacaattga	aaatagaaat	aagcctctca	gggcaatcat	ttcaattcac	240

<210> 177

<211> 173

<212> DNA

<213> Homo sapiens

<400> 177

ccaccctcct	cctaactttg	gacagagctt	actccagaag	acagtcttgg	agtagaacac	60
catggacca	gtacttgccg	agcatgccca	ctgccctcga	ttgtacatgt	gcaaatactt	120
tctttgccta	ttcagaaatt	agcagaaaact	gttgaataaa	gggataaagg	agg	173

<210> 178

<211> 317

<212> DNA

<213> Homo sapiens

<400> 178
aatactgtgg tatttctctt taaatacaat cttccagggc aaggcatggg attccagata 60
acacaccaac aatggatcca ttctatggct tcacaaagtc aatcttggag aaagaaccgc 120
caaaagctgg cacaagcagt agcaccttta cagtgggcag gaaaacaacc agaagtcttg 180
gggctgcaga gatccaggcc ggcgagaagt ccagagcatc agacaggaag agtttcttgg 240
gggtaggaac agtgactggc acatgcggga taaaagtcca tgaaagaagc cgaatcgatt 300
aaaggaaata aaaaggc 317

<210> 179
<211> 170
<212> DNA
<213> Homo sapiens

<400> 179
ggacaacgtc ttgctatggt gcctggactg aactcgaact acccagctca agcaatcctc 60
ccaagtagct ggaactacag ggctgcactg tggttttatct aagttttaag aatatatatt 120
tcaccccaca ccctcttgcc atgagactca ataaaaatat atatacaggc 170

<210> 180
<211> 220
<212> DNA
<213> Homo sapiens

<400> 180
gttatcaaaag agtcttcagt ttgggtggagg acggatttgc tctaaagctc tttagaagga 60
gaaagagaag cattctgcag gaaccctaga aatgaaacgc aaccagcaag ctgccatttg 120
tccagagaag ctcacactcc ctgggaaatg gaatattggg tctcaacctg aagagtagct 180
ggacagagac aggaattcac aaataaaagc tttaaaagat 220

<210> 181
<211> 360
<212> DNA
<213> Homo sapiens

<400> 181
ggttttcagg gccaccacca tccagacctt cggaaccctt gcaactggacc aacacccatg 60
tccccaggac acctgacctt aaactcgccc gtagggcctg ttgatgcacg ctaggagtgt 120
cctgatgatg cccagcattt cctacacctt ttccctcggt ctaatctcag ccccttctca 180
tctccacagt gctagctgct ctgttcccat tttgtccac ggtccagcac tgggcttttc 240
gctgacccgc taccatgtgc catttattta tctggccaga cgctgaggct cagagggtct 300
gcttcctgat acgggacctg gcacaccaa gtagcccaat aaatgtctag ggagcgaatg 360

<210> 182
<211> 362
<212> DNA
<213> Homo sapiens

<400> 182
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gaagggaagt gacacggagc taacgcacag cgcttcacga gacactttct ccgctttctc 120
gcagctcctc cgcacggcgt cctgtgggcg gccaccacac cgcaatctat tctgagtttg 180
caagtggaaa ttaaattcct tgtagccgaa atgagccccc acttcaatca gcctgaagcc 240
tgtcctccca tccccaccg cctccccgct gcagcatctt ttgaatatgc aaatgggaca 300
ccttgctaaa tggtcagcag gattgatcct gctgttttca tcaaggaaat aaaattaaaa 360
cg

<210> 183
<211> 438
<212> DNA
<213> Homo sapiens

<400> 183

gtctgagccc	agggagctcc	ttctggagat	gctgtggtct	ggggtggatc	ctgccttctc	60
agcccctgcc	tgttgaagtc	actgaagtct	ctgctgcata	tccgggcttc	tgctgagcag	120
ggctggaagg	tcttgcttga	ggagctgaag	cccaccagca	gggtggcagac	aaatccagag	180
ggtattcatt	ggaggatgaa	gatttcctgc	ctctgctcan	gattctcacg	gtgtggctgc	240
tgcaggggaag	tcagatcacc	tacgtggagg	cccaggggcc	tggctctgga	aacaggaggc	300
agaagctgcc	agtctctant	cttgggcctg	gcantggga	taacattact	tccccctat	360
tcntcgnntn	aaagcagcac	aagaacccca	ccttnntttt	cannagngaa	aggggctang	420
gaccccgctt	ttctattg					438

<210> 184
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 184						
attggaagaa	gttggttagct	tcttttctca	gaacggacat	gtggatttgg	ggcaaggaag	60
aaaagcaaaa	gcaaaagccc	aaacattcta	acgcaggaat	ggcgttcgaa	gatctgcaac	120
tatactactt	ggaaatgata	cccaggctaa	agtgaccagg	gaagtgaccc	aaaaaacaaa	180
ttcttcttga	cttttaaggc	aggtgcaact	gtggacagct	gaggtccctt	ttgaaattat	240
cttgccatcg	taggatgggc	taggatgact	caactcttta	aatgcatgtt	aaagactggc	300
tactgtatct	actacattct	ggcctcattt	tttttggtta	tgattttgaa	actcagaatg	360
aacaatacca	cgtgtgtgat	gatttagtgc	caaaaaaaaa	aggccagnga	ggccaattca	420
gctnggactt	aaccaggngn	aacttgntca	aaaggggggg	ac		462

<210> 185
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 185						
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agatcttgg	tgaacctagc	aaccttgagg	acagacaggt	aatttcaaca	ttttctcctg	120
tggaaggcag	aatccctcct	ccttctctca	aggatatcca	tatcctaata	tctggaacct	180
gttaccttac	acgatgaaaa	gaactttgca	gatgtaatta	agtttatgac	ctcatctcta	240
c						241

<210> 186
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 186						
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ttccagtcc	aaacatcaaa	gatttccagg	tgatgttcaa	gagaaactat	tcaactaag	120
aattgcctgg	aagagtggat	tctagaagga	agaatgggtg	actaagantt	actcacatat	180
cagaaaacca	gaaaattcag	aagatcttag	cgatggcacc	accacccatt	caccagctta	240
atctagaaac	ctggacatca	tcattgactc	accttgatga	tgcaattaac	cagcaagtca	300
tgacctctct	gctttcaaat	ttttcttga	aaccatccat	atttctccat	tttcaactgc	360
actggcccat	gccaaaccct	catgtctcct	ctagagcttc	ctacattttc	ttctagctag	420
atttctctta	aaccacttta	cacagaaaag	ctaaaatgaa	tttctttaaa	aaacct	476

<210> 187
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 187						
accettacca	ccaccatgag	aacaagctca	ggctggcctg	ccagaacatg	gaaccaagca	60
gaatcatccc	aactgaggcc	atcctaggcc	agcccccagc	caaccctcag	ttgacagcac	120
atgcataagc	aagccctgtg	cacatcagct	gaacttgtca	cagatcagca	aaactgtcca	180
gtcaatttgc	agacttccga	gaaataataa	atggttgttt	taagcc		226

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<210> 188
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 188
 gtttattttgc anganggggtt tnaggggaatn anngatnnag tctgctgaaa ntatcaccac 60
 cctctggatt anaaggggatg tttggatgaa 90

<210> 189
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 189
 gtgggggtctt tcaccatcag atgagaacac attgagaatg tatcatctat gaaccaggaa 60
 atgggcccctc accagccacc aaatctgcag aagctttgat cttggacttc ctagtctcca 120
 gaattgtgag aaataccntt tgggngtgta tannctggmt aannncaagc tgaangggcc 180
 tcgnnggcct ntatgantnc tatatggccg ntatggccna ttcnnnnggn ggnnaccgcc 240
 naagaaatac tcataagcca c 261

<210> 190
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 190
 gttcaaaatt tctattacaa attattgcat cctcctgtga agactgcagc ctctcaggtg 60
 tcttccatac gactaaaatg aagaggaagc acaaggagaa atctggacac agagacagat 120
 gcacacaagg ggaagacaat gtgaagacac gcagggagaa catcacgtga agacagagga 180
 tgggaatgac gcttcaacaa gccaaggaac actaaagatg actggcaacc aacagtagct 240
 aggagaaggc aaggaaggat tcccccatgg gtttttagagg gaacacagcc tcgtcaacac 300
 cttgatttca cacttctggc ctccaaaact gggagataat aaatttctgg tt 352

<210> 191
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 191
 aaacccaaag gccagaagga aatggcaaaa cagttttcat gtgctagaag actatcaacc 60
 cagaatttta taccagaga atatatcctt catgaataaa gaagccacag cattctcaga 120
 tgaagaaaac tatgagaatc tgttggcaga ccaccctaag agaatgacta agtgaagtcc 180
 tctaagcaga aaggaaacaa taaaagaagg aatcttggaa tatcagaaaa ggaaaacatg 240
 gaagtcaaaa tacagtggta aactatgaaa tgtcagcgtt cagccagatg gtatgatgga 300
 gcagcagaag tcagaattca gtgaggggac actgaaggaa cagataatgg nnctgnnttn 360
 gcntggaagg ggnntcaat ttgtaatttc aggggttaact gcagaagtgt cttcaggaag 420
 gctgcatctg caagccagga agagagaact caccagaaac caaat 465

<210> 192
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 192
 gattctgaca agtccggagt acgtcccctc atcatcaggg caggaggtaa cgtgctgaat 60
 ttaatagcaa agcaaatttt gctggagaag aaatgagatt tctttgtcaa ggaaccagcc 120
 ggaggaactt cagc 134

<210> 193
 <211> 421
 <212> DNA

<213> Homo sapiens

<400> 193

agcctgaact	tgatggatca	ngctggcacc	accagatcg	attaattggc	tcattctgatc	60
tgggggcccc	cccgaaccag	gaactgactc	agcgcaagga	gacagctccg	actctccatg	120
atttcatccc	tgaccaatca	gcactcctgg	ctcactgggt	ccccaccca	ccaagtgtgc	180
ctgaaacact	gctcaccag	tgcttgggga	gactgatttg	agtaataata	aaactctggt	240
cttctgggtc	tagatccttg	aggaatcgcc	acactgtctg	ccacaatggt	tgaactaatt	300
tacactccca	ccaacagtat	aaataaaaaac	aaaacaaaac	naaaaaaaaa	aaggggccggg	360
ggggcaantt	nagttnggat	ttaacaaggg	tngaatttnt	taaaaagggg	gggactaccc	420
a						421

<210> 194

<211> 472

<212> DNA

<213> Homo sapiens

<400> 194

gcctgcaccg	agatcgacgc	catcagcgtg	gagaagaggg	gcatcatgca	gcaatggggcc	60
agcagcctgg	tgggcatgaa	gcaccgcgac	gaggcgacac	gggcggtgct	ggaggcgctc	120
agcgtgtccc	tagagcgctt	cccaagtcaa	aatataaaca	ccgctcggtc	ccgcctttct	180
accacatggc	attccgctgg	gatacttcta	cggggaagct	tcctgcccgg	ggcatcgagg	240
gcgttcgcgt	ccgtctgtta	tggcggtgct	gctgtagata	accggatccg	cgaatgctaa	300
cgctcaccag	gatgctatat	agcctttttt	atattgccta	ttaagccccg	aatgntttgg	360
gtctancggg	tattgctaag	taggattgtg	acagtcacgc	ccccggcagc	ggtgtttcaa	420
agtccccctga	cagctcaaca	tgttgtcaca	cttcangact	gtgccaatcc	ac	472

<210> 195

<211> 367

<212> DNA

<213> Homo sapiens

<400> 195

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ccgggtcctg	ccttaactga	tgacatttga	ccacanaana	anngaaaang	gcctgttnct	120
gccntaacng	atgacatggn	anttgagaaa	nnccttctgn	ctggctcatc	ctggctcaaa	180
agctncccta	ctgagcaccn	tgggnnnncc	actctgcccg	ccanagaaca	accccccttt	240
gactgnaatt	tttcttttac	ctacccccgaa	tcctataaaa	cggccccacc	cctatcttcc	300
ctttgcttga	ctctcttttt	tggactcaag	ccccacctgc	atccagngtg	aaataaacia	360
ctttatt						367

<210> 196

<211> 507

<212> DNA

<213> Homo sapiens

<400> 196

gtcagctgag	gagaggaaag	gattcttagc	ttgagttcac	tccagttgcc	taatgtcatg	60
cccattgctc	aagcccatgt	ggcctgtttg	aaggagaact	gcttatctgt	gcagcaatct	120
atccgagggc	ctttggggcca	ttatgctgtg	aatgtgacat	ctgcagccaa	gctctgcagt	180
cagagtctat	gtaacaatca	tggaagagta	ttcgaaaaac	acctgagtec	tccttctatc	240
tgcatatgcc	tgaaagcagt	ggtaagaaat	atgtttctaaa	caagagtttc	agattcatca	300
tttctgaaaa	taataaacag	aagacaataa	cagacatgaa	gaatggattt	gtgtgtcact	360
gctattacgg	ctggcatgga	ccgtcttgtc	acgatcactc	ttcagatctc	ctaagagtga	420
tgaataaggc	tctactatt	aacttcaatt	tattaanttt	tctcattatg	gcttcttctg	480
ngattctgct	aaaaaaaaatt	tagccca				507

<210> 197

<211> 176

<212> DNA

<213> Homo sapiens

<400> 197
 ggcccatccc ttggttttag cctggaagac cagttttgac tttgaaccgg ttggcctaga 60
 atttgggtgct ttgtactaca aactagattc ccagctttgt ccagccctcc tggagttgac 120
 tgctgcctga agaatttctc accatgtaaa cacaactctc ctaaagcagg cctttg 176

<210> 198
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 198
 agacagggtc tcactatggt gcccaggcca gtcttaaaat cctgcctcaa gcagtcctcc 60
 tgccttggcc ttccaaaatg ctcggtattat aggcaagagt gtcaggcata ctatatgcta 120
 atccaacagg actgtggtct tataagaaga ggaagactct ctctccacca tgagaagaca 180
 caatgagaag gctgcatctt gcaagccaga aggagagccc tcgctgggag gtcagccatg 240
 ctggcaccct gatctcagac ttccggcctc cagagttgga agaaaataaa cgtctgttgt 300
 ttat 304

<210> 199
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 199
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 gcagctcagg tcttggtaga gaagatctac cataaacagt gtagctacaa aatgctgaga 120
 atcagagggt cccaccaaac tgactttaat atccaatgaa gggacagctg tgcctgggac 180
 tctccacaaa tgttgacgtc atgaagaaca agaaagactg aaaacctgtt ccagattgaa 240
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 aggacattag tgggtcnatg gcaaaatctg acagaaattc aaggactgct tctctcatta 360
 aataagcttt tcaaggaaaa aagaatgtnc tnaaagntgg atgaagatgt catttggcca 420
 tt 422

<210> 200
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 200
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 catataggcc ctactgtaat ccatttaaag gttaagtctc caccacagcg cgaacatgga 180
 tgcattgtgc acacaattag ccaattatgc atgtctatgc ttctcttttg tgaatattca 240
 tagctcctcc tataacctgt tgaatatgta catttggcca cgctgttcag cataaatccc 300
 tgccttcc 308

<210> 201
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 201
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 gcaagcagat cacttgagcc ccggagttag agaccagcct ggataacatc gcaaaatctt 120
 gtctctacaa aacagacaaa aatgaggatc gcttgagccc aggaggttga ggctgcagtg 180
 agccacgttt gagccactac actccagcct ggataactga gcaagaccct gtctcaaaac 240
 aaaacaaaac aaaataaaca aacaaaaaaa aaaagggccn gngngggccan ttaanttgg 300
 antnanccag gnnnaattng ttnaaanggg ggggacnccn aatntntttt tttttttatt 360
 c 361

<210> 202
 <211> 333

<212> DNA
<213> Homo sapiens

<400> 202
gccaaagaaag gtaaaggcct cttggggcctg tgatcaaaga gtcaacactt aagggttttgg 60
cgatgctggt aatgatgaaa taaggcaaca ctgggggcaaa cactgttatg gccaatgacc 120
tatgcatcca angcagcttc ttcagcttca agttggggaca gtcgagcacc aagaagagga 180
tctacatcag cgtcttggta ctggtggtga caaagcagca atctgcctga ggctctgcaa 240
gcctacaaca ttcttttttaa catccccaag ctggaaacac gtaaaatgtc cataagccac 300
agaaaaaata aataaagtat ggcatttttct tac 333

<210> 203
<211> 128
<212> DNA
<213> Homo sapiens

<400> 203
gcggtaaaac acagaccatg aggttgaggt gccactggcg gcggaggaag cggcgacctg 60
cactgggaga gattcattac ttcggtttta cctccggaaa aagctggagt caagttatgc 120
ttatttac 128

<210> 204
<211> 475
<212> DNA
<213> Homo sapiens

<400> 204
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gaagaactaa tgtcttctgc aacagccaac aagggcctta ggcttgccaa cagccatattg 120
actgagcttg gaagtgaatc ttctgagccg gccaacagcc cgtgatcaaa gccatcaagc 180
tacaaatgat cttacaaatg gaacctcaaa tgagctcagc tcacggcttc taccgaggac 240
ccctggatca acccgctggg ccctcaatta ccctagaaaa ttccctctg gaggacacca 300
aactgcaggg ccccttcttc acccctaacc agcaggaagt agccagaacg actgncacac 360
ggntcccaac aacaattggg gnggtctggt taaaagccag aattgaaagg agnggccant 420
tggcttctg ggtcaagtag gggctcaaaa agctgngaaa ctcactcatt tctg 475

<210> 205
<211> 356
<212> DNA
<213> Homo sapiens

<400> 205
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atctaactgc ttaaaatgag agcaggaatg gctgttggct tagatagatg gcaccccaga 120
gtcctgaaag aacttgcaga tgtgatcaca ggaccatctg aaccggagaa accgggggga 180
atggagagac agcaaaagac cggagatggg taaatgagtt ccagattttc caacacaaca 240
ggaaaagtgga cttacgggtc tgtgtgctgg ttacatttaa tggtgagctt cagcaaaaact 300
ccggaacaga tgattgaagg ggctttgtgc cgtatttatt taaagaaaag taatga 356

<210> 206
<211> 344
<212> DNA
<213> Homo sapiens

<400> 206
gacctgatga ttgatttagc atcttttgca tccggccctg ctctgcttgg ccatactgct 60
gccttcaccc tcagctgttg caactctttt ggccactttg tgtaactgcc ctgccaaagcc 120
ctgcttcctg gctgttcaaa gaaagaagtg tttcctacag gagatcacia caaaaggatg 180
aaatctgggg tgcaggggaa gggtagcttc tgaagctgga aaataaagaa gtaaggaagg 240
gagactgtgg aatttaccag ggaggggaaac taatatttcc ttttcatatt aagttgntac 300
tattctggct ttttaccatg atcatatatt atattcaaaa taaa 344

<210> 207
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 207
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 tataggcaca tgccagcatg cccagctaata tgaagaaaaa cattttcaga tgaaattgtt 180
 gtacatatat cttcaagtgt gttagaaata tacatcttgt gtattaaatt tatttgctca 240
 g 241

<210> 208
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 208
 aatcttgcta ctctccatca caaggcaaag tctatcttcc tttcttttga atctgggaag 60
 acacttggtga ctgcctcaat gaataggaag aatacagtggt aagtgatgct gcgtgggctgc 120
 taagaacagg ctggaaaagg ccatgcagcc tctgttcgtc tccctcttgg aacacttgctc 180
 tttggaaccc tgagttgcca agtaggacat ccagggtctgc cgtgctgtgg ggaagcccaa 240
 aactagccca cacagagaga ccacatgaaa aaacactgac attgcatgaa gagagggtga 300
 tgtgctccag ctgcctaagg cttcatctcc tgcctgttcc agctccagaa aacctgaagg 360
 ccacagcatn agacccttg nnttaaacca ttttacttga cctgttntga actttngacc 420
 aatttnttat ttttgaccaa taaaaaataa ttttatt 457

<210> 209
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 209
 atggtgtcag aagtgggatc tgaagtagag gttgtaacga tccccaggag tgctgagtga 60
 acaagcaagt tacctgcaga atccactgtg tcctttgatc tgtcacagca gctgggggttc 120
 ctgactttcc ctcttggtgc ccaggctgga gtgcaatggc acaatctcgg ctaccgcaa 180
 cctccgctc ccgggttcan gcaattctcc tgcctcagcc tcccgagtag ctgggattac 240
 agacatgtgc caccatgccc agctaatttt gtatttttag tagagacagg gtttctccat 300
 gttgatcagg ctggtctcga actcctgacc tcacatgatc catccgcctc anctnccaa 360
 agtggnggga cacaaanccn ctngaccnng gctatnttgc tggaaattta ntaannngctg 420
 gnggaaccat tccaatcttg gaaagctgca aagacaacat gttaatgatc aacacctggc 480
 cc 482

<210> 210
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 210
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 tcgagtggaa atggaatgca agcattcaga ctccagaact tgcactgtct tcagaaatgg 120
 cctcaagtta gtggtttgct caggggtgaa gagcaaagca aagttcagggt cctcatccca 180
 ggggtgtgtca cttggcatga gggacgagga cccccatttc ctctcagctg aggggaagag 240
 ctctccacaa tgtccccctg cacgggtcctc tgggtaccct gacaacaagg gccagctctc 300
 cctactctcc ctggagtaaa gctgggctca ngagggtgcta cccgtttcg 349

<210> 211
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 211

atctgtccca	tgatgaatcc	gggttgtccc	tgtgtgagcc	ccttgaacca	acagattgtg	60
gcagagtgc	attgcaccag	tctgagacct	acaccttaag	gatgcctggc	agctcctgct	120
tttgtgttcc	tcggagtcac	gagccacgaa	gtcaagctac	cctgctggag	agaccagctg	180
aagaagcctc	ttgaagagga	cctgagacct	aaggctcagc	catcccagac	tgtgagttaa	240
acctccagat	gagtcacaac	ccacctgcta	tctgactaca	gctacataga	cgacaaaacca	300
cctaagtgat	tccagtcaac	ccacacaact	gtaaaagata	ataaaagtgtg		350

<210> 212
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 212						
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actggattga	tacaaccatc	agttctattc	agattatgga	aatccagcaa	ataatagatc	120
atcagtattg	cattcaaagc	ctccagtgcg	gatctggaaa	ttataattac	aatattcctg	180
ttaataaaca	cacaccacc	aatgtcaagt	tctctctgga	aataaacaca	acagagccat	240
tgatagtctt	ccagtgcaca	ttcacccctg	gaaatatatg	tttccatagt	aaaaggggaa	300
ccaaagggat	ggaaagccac	agagaaatct	cccaggagat	gacacagggg	tatcaagcac	360
atgtggagcc	tcttgacc	catttttttna	acagatngtt	ccatttccgg	gaagctgccc	420
ggatttagct	gctgtcaact	gaccttatt	ttgctgggat	attcttcacc	gattactt	478

<210> 213
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 213						
agatgtggc	tcactatggt	gtctagactg	gcctcaaact	gctgggctcc	tgcgatccac	60
ctaccttggc	cttccaaagt	gctgggatta	caggcgtgag	ccaccatgcc	cagccgcttc	120
atcttttctt	actcatggtg	gccccattat	tgctgtgaag	cctttttcta	atgttcattc	180
tctccctctg	caaagtgggc	aacagtgaag	aaactacatg	attttcaggg	aatataagca	240
tggaagatgg	actaaagaac	acagcaggcc	gggtgcagtg	gctcacacct	acgatcccag	300
cactttggaa	ggccaagnta	ggaggatcgc	ttgagggtan	gantcnaaac	cngcctnggt	360
caacataaaa	aagaancng	cttttcnaaa	nnaaaaaatt	ttaaaantta	ggcccaattt	420
ggggggcatn	cntnntngng	gntcccagct	gnatggcgng	agggatcact	tg	472

<210> 214
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 214						
gcgggggacat	ggaggccac	ggagtacctg	gcaggccac	agtccacagg	ttggaaagag	60
gtgccaagc	cctgggcttt	aagcctgggc	tctgaccttc	aacgtttgct	tttcacacca	120
cacatcatgt	caataaatag	ttactgg				147

<210> 215
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 215						
tcaacttgct	gaaagggaca	acattctgga	ccacgcagtgt	aaccttggcc	accatgctga	60
ctctcctgga	tgggctgcca	tcagggatca	taggtctcat	gagcagactg	tcaccggatg	120
acggactgaa	ccccaacagg	tggtcttgct	gcattctatgc	accgccagaa	ccccacacc	180
tcccattctt	caaattggacg	tacagctttc	tccttaagtc	aataaacttg	aaaaagtgtg	240
tttataccgc	ttgagtaagt	ggtcagcctc	ataaggagga	gacaactgtg	aagataaata	300
tcatgaaaac	aaaacgagat	taaattataa	ctagacat			338

<210> 216
 <211> 363

<212> DNA
<213> Homo sapiens

<400> 216
gggcattnac ataagccatc atntncntg ngacctgcac gtacncatnc agatggccgg 60
ntnctgcctt aactgatgac atttcaccac aaaanaagtg aaaatggcct gtncctgcct 120
taactgatga catggacttg ngaaattcct tctcctggnt catcctggct caaaagctcc 180
cctactgaac accctgtgac cccactctg cccgccagaa gaacaacccc cctttgactg 240
tnattttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcaac ccacctgcat ccagntgaaa taaacagctt tattgctcac 360
acc 363

<210> 217
<211> 236
<212> DNA
<213> Homo sapiens

<400> 217
atctagaagc aataaaatgg gcttaaggaa cacggaataa agggagcaac cctgtgaaga 60
ccacaaaggc agaacagtga cagcagctca gcagcaagac tgctgggcac cgggcctggc 120
tctccaccac ctgactgggt aacttttcaa acaccttcat ttcccaagaa gtaggaatgn 180
tggaagact aaataaacat atgtcaagta cttaattacc tgcccacata gtaaag 236

<210> 218
<211> 377
<212> DNA
<213> Homo sapiens

<400> 218
gtactcacia gctacaatgt aaatcagtaa agaaagagat aactatacca gaatatggag 60
cctattgata ggactcacia gattcaaggt gccttgtcca aacagatgtt cattgctctt 120
tgacacacct taaataagag ttctgtagtt aaacaacttt ggaaaaagag gtgtactctc 180
accctcccc atcataatga acatcagcat gaaggctcta agaagaccca cagcaaagaa 240
gccggttcag ttatttttaa tctgactctt cacaactta ttttacacca ggtaactttc 300
aaatcttcac agaactaatg ttttgtgaaa tttactttga aaaacatcgt gctagaaata 360
acattatttt gctatcc 377

<210> 219
<211> 356
<212> DNA
<213> Homo sapiens

<400> 219
gggcattcag ataaagccat catatcacct gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tgttctgcc 120
ttaactgatg acatggtcct gtgaaattcc ttctcctggc tcctcctggc tcaaaagctc 180
ccctactgag caccctgtga cccccactct gcccgccaga gaacaacccc cctttgactg 240
taattttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tatttg 356

<210> 220
<211> 436
<212> DNA
<213> Homo sapiens

<400> 220
gggcattcag ataaagccat catatcccct gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tgttctgcc 120
ttaactgatg acatggtcct gtgaaattcc ttctcctggc tcctcctggc tcaaaagctc 180
ccctactgag caccctgtga cccccactct gcccgccaga gaacaacccc cctttgactg 240
taattttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tattgcttca 360

cacaaaaaaaa	aaaaggccag	ggaggccant	tcanctngga	cttaaccagg	ctgancttgn	420
tcaaaagggg	gggacc					436

<210> 221
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 221						
acctgccttt	catcttcagc	catgactgtg	aggcctcccc	agtcatgtgg	aactacggac	60
tcttgctcta	tcaccaggct	ggagcacagt	gacgcaatct	cggctcactg	caacttccgc	120
ctcctgggtt	caagcaattc	tcctgcctca	gcctcctgag	tagctgggat	tacagagtca	180
taagaagaaa	cggatgatgc	tgacaacttg	gtaaaacctg	agacatgaac	attgagtcct	240
ggactcggat	tgtctggctc	tcaggacagg	atactccaga	attcactctg	aggcctccac	300
tgggcagtca	ttggctctgt	aagaacatca	caccgnggga	taaacttcct	ggaagtcata	360
atttaaacat	ttgagttttc	cttttacccc	agcaaggggc	tttatgttgg	ctcaciaaagc	420
aatgtaatga	caatcttgct	t				441

<210> 222
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 222						
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ttgttgccca	ggctggagtg	caatgacgag	atcttggtct	actgcaacct	ccacctccca	120
ggtttaagt	attctcctgc	ctcagcctcc	caagtagctg	ggattacagg	tggagtcttg	180
ctctgtcacc	caggctggag	tgcagnggag	cgtgatcttg	gctcactgca	agctccgcct	240
cctggttcac	gccattctcc	tgcttcagcc	tgcggtgtag	ctggaactac	aggaagaaaa	300
atggncttan	aangggaaaa	ccanttgcan	ccaagatcca	aattaatacc	aaggngccg	360
gggagaanaa	agaaccttgg	tggaagaaga	gtgaaaaagc	nttgtctttt	gggggtgaat	420
tgcagaaaga	aaataaatta	ttg				443

<210> 223
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 223						
gggcattcag	ataagccatc	atatccccctg	tgacctgcac	gtacacatcc	agatggccgg	60
ttcctgcctt	aactgatgac	atttcaccac	aaaagaagt	aaaatggcct	gttcctgcct	120
taactgatga	catggtcttg	ngaaantcct	tntcctggct	catcctggct	caaaagctcc	180
cctactgagc	accctgtgac	ccccactctg	cccgccagag	aacaaccccc	ctttgactgt	240
aattttcctt	tacctaccg	aatcctataa	aacggcccca	ccccatatct	cctttgctga	300
ctctcttttc	ggactcagcc	cacctgcac	caggtgaaat	aaacagttta	ntggctacnc	360
attaaanaaa	aaaaggcccn	ggggggccnt	tccggtngga	attaaccggg	gtnantttng	420
ttaaaagggg	gggcca					436

<210> 224
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 224						
ctatgaagag	cagcccgctg	tgggagacac	tgatggccct	cgctgactct	agagtggagt	60
gaattgctac	cttgctgacc	aggaaatgat	cgatgcctgg	cacctggcag	tgaatggggc	120
gtcctgcgat	gatccgaaca	cgctgttctt	cagaaatttg	cagcacaatg	ttgttatcca	180
agacatacaa	tgaattgtcc	ataggattta	ctgcaaggtc	tgttgccac	tctaactcga	240
cctgtgaaac	gaacagaaca	cataccatta	ggttaccatg	tctttccatg	gacagtttta	300
acttgaaaaa	aagaaaaaaa	aattgggtga	ttgnttcccc	cgtcttatga	attttaanca	360
ccattgggtg	atgtctcgga	aagtggaggg	cagggggagg	atgggtaatc	acatgttctg	420
gtaaacgtac	ttatcattta	tgccattttac	aatataa			457

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<210> 225
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 225
 cagaactgag gacncagtgn ncatgtaact aactcctggg taagaggata tgggtagaan 60
 gcacangng cnaattccng gcttctgctc cttgaaacac agtaa 105

<210> 226
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 226
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 ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
 taactgatga catgggtctg tgaaattcct tctcctggct catcctggct caaaagctcc 180
 cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240
 aattttcctt tacctaccg aatcctataa aacggcccca cccctatctc cctttgctga 300
 ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagcttt tattggctca 360
 cacaaaaaaa aaaggccagc gagggccaatt cagctnggac ttaaccaggc tgaacttgct 420
 caaaagg 427

<210> 227
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 227
 gagacctgag ccactaagta agaagtccag ttacctgtt ggataaacca catggagaag 60
 gaaaggccct gagatacttg gagagaggga aaagtccagc tgcccagcac ctgagctgag 120
 cccagcctca gccaacccca cgggctgact gcaaacacat cagtgaccac cagtaagacc 180
 agcagagctg cacagccaag cccagcctag attgcagaat tgtgagcaaa taaaatggat 240
 attgctttaa gccacaaaat attgaaatgt tttttaaatg tagaatgtga tttctaagaa 300
 taaaaagttg caaat 315

<210> 228
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 228
 aaccaaacca acaccggaga agctgagcaa atgcagtcag ttggatgtga attacctttt 60
 agttgctgac aacagaaagt taccctgaac cactgaccaa gggatgaaaa gcgtccgtgt 120
 actattagta attctcagaa tcatctctgt cccaaccaa gtatggaaag ccaagtacag 180
 tatcatggaa ccaaattcaa atgctgggtc caaagttccc gacttgcttg ccttcaagtg 240
 ccacttgaga gattttaaat gacagtgaat tgctttgttc aactaaaaat tcaaagtgtc 300
 gggacaangt ttatttctga gactcaagag atagtttttg ctttagttgn tgccattggg 360
 gntgntgggg nggggggaaa aangncagaa aataaaatct gccacttttc ttttc 415

<210> 229
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 229
 aattgtgaca ggctcccagg acctaaaccc agaaggaagc aggaccatat tgctgcctag 60
 agaaggggat ggagcagatt ccaggacacc gatgaaacag aagcttccat cacagtgtt 120
 tctgtacct tatgagacag ttgcacatc aacagctcta ggatacaaag gaagcacata 180
 catttatact ttataaggtg gccaaaggaat cctactgtga acaaagaatt tctaagataa 240
 taaaatccca cttttttttt ctataaaaag caaaaaaaaa aaggccagcg nggccaattc 300

agntnggact taaccaggga gaanttgntn aaaagggggg gactacccaa 350

<210> 230
<211> 91
<212> DNA
<213> Homo sapiens

<400> 230
tgacacgaaa atctggttct cttgcactaa tatgtgaact tatggacatg aatatttatg 60
agctaatacg agggagaaga taccattat c 91

<210> 231
<211> 285
<212> DNA
<213> Homo sapiens

<400> 231
ataaggaaa cgaagcacag agaagtatct gcccaaggtc acaaaccagt ggagcaggat 60
ttgacccaaa gcagacagtc ggacttcaca gcccggtgctc tcaacatcca actgctgaag 120
agttaacaat ttacccttga cagccgctat aagcaaagggt aaatgctcaa ctgctaggaa 180
gggacagtca gaacaccgtc ccatatccag tatccatgtc tctctgtttg tttatggcct 240
ctatgacttt ggcaaaagaa gtacacacaa tctgattttc cgaac 285

<210> 232
<211> 71
<212> DNA
<213> Homo sapiens

<400> 232
atgggtggagg attgctcaag cccaggaatt tgagaccagc ctaggcaaca tagcaagacc 60
tcattctctac g 71

<210> 233
<211> 155
<212> DNA
<213> Homo sapiens

<400> 233
ntataatggc tanagctgga aacacatcat gtatncagan ggaaaagggc aagaagattg 60
caggatccac agacctggta ttcccaaaca gctgaaccag tntcagtaca cctctggatt 120
tcccattact tgagataaat aaactctttc ttttt 155

<210> 234
<211> 428
<212> DNA
<213> Homo sapiens

<400> 234
gtatcgatcg caagagtgcc cccaatcaac tttctgcaag caaatctctg tttcatggag 60
aacctggcct gcaacatgac acctctcacc acatcttacg tcagcagttc cttaaattgtg 120
gctgtggact tgctacagca gatattgttg gagaaaaaaa ttcatttttc tcatgttcac 180
cccacaccta caaaaccata atctccatga atgggtccca aggatgtgta ttttttcaaa 240
gctcctcctc cactgctgaa tctagtgtat agcttgatgt agaaaccact gctataccaa 300
aggctcagcc tcaaatcagc ctacagcttc tatcttgctc catcttcggt tcagccacca 360
atagagnggn gaagccatta aaaagggtcaa aagtaggtaa ataaaatgtg aaccagtata 420
taaaagtt 428

<210> 235
<211> 355
<212> DNA
<213> Homo sapiens

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<400> 235
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 ttaactgatg acatgggtctt gtgaaattcc ttctcctggc tcctcctggc tcaaaagctc 180
 ccctactgag caccctgtga ccccaactct gcccgcaga gaacaacccc cctttgactg 240
 taattttcct ttacctaccg gaatcctata aaacggcccc acccctatct ccctttgctg 300
 actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tattg 355

<210> 236
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 236
 gtaacaactt ttaaaccatt acgtgacgga ccaccttccc tcagccaaac aacttccctg 60
 aaaggcgccc gaaggagcct tcccatccac cgcgggtgcc caggaaaggc ctgtggggct 120
 ctccctcccc cgtccacac gccctcgcat cccaccgagg cgccagcttc tgcctgcacg 180
 ttgctgaaac tggcctggag gttctgacaa gaattagagc ggcggccggt gcccggggga 240
 tgacctggaa gcgaaagaga ccggcacgaa ttctagagtt tcgggggttc cgcggttgga 300
 gattgtacgg gaaacaatgc attaaccaaa cctaaaaatc aaacaaacac cgtctggnag 360
 aaccttacca ttaaaaagct t 381

<210> 237
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 237
 ctcangatcc atccatcctg cctgtgctcc ctggttcggt ttccctccag ccaactgccaa 60
 atgccaggac acaagtcacc acctccccta tgcttagcct tgtcctcctc catgtcattg 120
 aggccttcac gactccact ctggaaccaa gcaatcaagg cctctgaatt gcactgttgc 180
 actgaccgtt cacctcctta ctgtctgctt tatgcagagt gcaagctctg tgaaggcaga 240
 tgcctcgctt gactgggttc cagctgcccc cagagcacct agaagaggcc cagcaaatag 300
 aaggcactcc atgattatct gataaaagaa tgaatataac ccaacacttt atgggtcccc 360
 ataactggat gccccctcc ccatggctcag atccttttta tatttggtgg acatgacaga 420
 aatnaatctt ccaataaat gaattctta 449

<210> 238
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 238
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 aagcccttcc agaaaagccc ggactttcca gaagcatcct cagcaagtgt cacaaggaag 120
 gaagccagag gctgcccatc gcatacctga agagagtcaa ctagtctcc ttaaaccattt 180
 cttctgctcc acccctgaaa gaagcaatga ttaaactttg aagccctgta tatcttaata 240
 ccttgggaac atttgctatg tatatcctca ttaaatgaaa acattgcaac ggcaaaaaaa 300
 aaaagggccg gggggnccat tnannttggg ntnaccngg gngnanttng ttaaaagggg 360
 ggggcc 366

<210> 239
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 239
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 cccttttgac tgagccaact gaggtgctc ttgaaatcaa aatctatcat aaagtaagag 120
 tgaagctgca gcgtgggtct acctaaaact caattcaaga aattcaagag aagagaacgc 180
 tcagctagag tgaaccagga gactgcaaca atcttggtca tttggttatt cacttattta 240
 atgtctgtat tttgtagatc tagattaatg tgaatttcct tagaacttgc atcttggttg 300

gtttactcag tgctatat ccaatgtctg acatagtacc tggttctcaa caaatacttt 360
gaaacaattg 370

<210> 240
<211> 305
<212> DNA
<213> Homo sapiens

<400> 240
gcctgaaaca caagcacaa acactgaagc taccatggat ccccttggcc cagcagctgt 60
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atctggactc ttcttcttat tggtagaagg atcacaatat ggtgcataaa acctatttta 180
tgtaacagcc cagtggacct gaagcaacac ttcatagcca agtacattca tagttcttca 240
acaaaatgta taaatttcac cccttggtgt aataaataaa gacaataaat aaatagcctc 300
ccatt 305

<210> 241
<211> 448
<212> DNA
<213> Homo sapiens

<400> 241
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gtttcttcag atgttcagag cctgggagca gtaagtgttc aaaaaatggg gtttaagggg 120
ctcactccaa caccaggtt ggagtgcagt ggtggtgtga ttatggctca ctactgcctt 180
gacttcccag gatcagatac gggctttcac tgtgttacct aggctgggtc tgactcctgg 240
acttaaaact atccaccagc ctcagcctcc caagggtgct ggattacagg tgtgagctac 300
cactagtggc ctcttctaag aggaaatttg gatatacaga gagacaccag agatgtgggg 360
gcacagagga aagacctgct tggatacagt aagaaaggca gcctctgcna acntaagaca 420
aagtcctaag aaaaacccaa ctgctcca 448

<210> 242
<211> 511
<212> DNA
<213> Homo sapiens

<400> 242
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ggactactgc ttaagtcana actgaggggc attcanataa gccatcatat cccctgtgac 120
ctgcacgtnc acatccagat ggccgggttc tgccttaact gatgacattt caccacatna 180
agaagtgaat atggcctggt cctgccttaa ctgatgaca tggncctgtg aaattccttc 240
tcctggctna tcctggctca aaagctcccc tacttgagca cccgtgtgacc cccactctgc 300
ccgncagaag aacaaccccc cttttgactg gaatttttnc ttntacctan cccaaattct 360
tanaaaacgg gncccccccc taatnttccc tttgcttgga cttctctttt ttgggactna 420
ggccacactt ggcattncaa nggtggaaat aaaancann ctttttttgg ctctccncca 480
naancaaaaa atanaaataa tatagctctg a 511

<210> 243
<211> 425
<212> DNA
<213> Homo sapiens

<400> 243
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gagctctttg aagcagagaa agaaagcaga aagcagagat ctttgaaggc ttaagaaacc 180
ataaggagtt ttggagagtc aatgcatgat gatctctgaa gattctactg aaatctaate 240
aatatgtcct cactgccatc aattcaaaag aacttgctaa gaaggctcta gaggcttgta 300
ctctcagata gtgaaagtga gatgatgtgt agtgaaagtc atatataggt tgtaaattgc 360
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gactc 425

<210> 244
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 244
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 taagactgcc agaagctgag agagagaact ggaacagatt ctccctcatg ggcctcagga 120
 aggtcctccc tcaggccctc ttgccggcac tttgaattca aacctgtcgc cttcagaact 180
 gggagacaa aaatgtcttg ttttaagcc 208

<210> 245
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 245
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 tgttgcacga gacctccgct tgggatcatc tttttcctgc ctgaagttcc agctttggaa 120
 tctccctccg gaggggtctac cagtggcaaa ctcttaagtt tttgtatttg taagtgtat 180
 gatttcacct acgttctgga tacatgtgcc tcatactggg tacataattc ttgaaatata 240
 ttttactga atatat 256

<210> 246
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 246
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 tgaagaccac ctagctggaa tctcagaggg agagctgggg acaggaaagg atgactactc 120
 ccaccattct gtggacaccg agtccagcct ccgggaggag gctgagggaa ccttttggga 180
 cagccagggc agagaacgcc ttttacttct taaggctctg gatcaaaaca gagaagcttc 240
 tgtttcggag cctggcaatc ctccaacatc agtgtgcatt ttaagccata aagcgcaata 300
 ctgattacaa acaggaatac nggagggcct cctttaaact gcttcagaaa acaaactcct 360
 cggggacttc gaaaggagct ctccaccatag ctccctgcaat ccactctgaa caggaaacct 420
 tctcatctat ttattaaa 438

<210> 247
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 247
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 gcggtggatg tgctaagtaa ctccacctcc ctggcgctga ggccagaaaag cagacacttc 120
 ctgcagctgc agttacacaa cgatgttctg tggatttttc gggcaatagt taatgattta 180
 agacaataaa atcctgtgcc ctccctgaatc cgtgggcact tccctttgca ccacaaatgt 240
 tggcctctgt ctctactgca gccacgggtg aaacagagag caggaaaaag agcttggaag 300
 aggaaccctg aagaaggggt ggacaccacg catcccagac ttctacacgg ctagaacac 360
 ccctgactaa tattattact aaagtgtata catggtggca ggccctgttc taggctcttt 420
 acaa 424

<210> 248
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 248
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 ttccaacggg tgcgggtaca gaagtctgca gcctgcacac ggaagaggac cctcaccaga 120
 gcctgacctt gctggcacc tgaatcttga cttctggcct ccagaacatt gagtaatata 180

tttttgttgt gtat

194

<210> 249
<211> 300
<212> DNA
<213> Homo sapiens

<400> 249
caattgcttg ttcagagctc ttgggggatca attggagggga cactcacgaa atcatctcaa 60
gcacagacag gagacagtgg actacatgat aaagcagcgg gaagattttg aaccctttgt 120
agaagatgac attccttttg agaagcatga ttcgtggtac agagaaaagc agcgtgaggg 180
agttacacat cgcataatcg tatggagagc actacgacgg tggttcggagg atcaatgaca 240
actcaagagg cacctgcaca tctccagacg gatttttcaga tgcttcatca agatgaagtc 300

<210> 250
<211> 471
<212> DNA
<213> Homo sapiens

<400> 250
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cctccatggg ctcaggagat cctcccacct caccctcctg ggtagttggg actagaggtt 120
gcatttcttt tttctggaag cacatctttt aaaagatatt tacatgaagg tctaccagac 180
atgaaattgg agttctagaa agggagaaga tgaggatggg gaagaaacaa tatttcaaga 240
agaaatctct caagaatttg ccaagtctga cccaaaacat caagcagttg atttaagaag 300
tgtataagcc caagctgggt aaatacaatg aaaaccacac tttggcacac cagagtcaaa 360
ctgagggaaa tcaaaaccat tattaaacct tggaaatccc ctttncnttn aagcacctnc 420
attaagataa atagctaatt tcctaaaaca aattatggga agccagaacc a 471

<210> 251
<211> 614
<212> DNA
<213> Homo sapiens

<400> 251
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tgccaccct tggccaaagg anaggggttt ttantttggg gggtaacaac ccgggggtac 180
cccccgggg cggaaatttc aaantctaaa attccgggaa ggggaacttg gccgcncctc 240
ccanattgga angggggggg tttgtggggg cctctttttt attttgaagc cttccggggg 300
ggaagccaan aaaaaccgcc gccgaaacca agaaacctaa gaaaaccgaa acttggtatt 360
gtccccctta gcaaatccgc attcattcng gtgccaagg ggaaccgcg catttcattc 420
aagatgaaac cgtgggccc aaggtttgac aaagggttcc acaaggcagg gtttanatgg 480
gccccgttta aaaacttatg cttnttnttg cggggggccc attctntaag gaatgggggn 540
gggttcaana atgaattccn tttntttccn aattgggggc naaggncga tggggcattc 600
ttttttaaaa aaaa 614

<210> 252
<211> 546
<212> DNA
<213> Homo sapiens

<400> 252
ttacatccag agcatccag ttgttaatga agaacacaga ggtgattttt cctatattgg 60
aaatttgatg acaaaaagaat tcataggtcg acaattgatt ctaattatta agtctttgga 120
taccagtga gaaggaggaa gaaaaaaaact gctggctgtt ttacaggaga ttcttatttt 180
accacaatc ccaatatccc tgggttcttt tcttgttgaa agactactcc acatcattat 240
agatgataat aagagaacac aaattgttac agaaattatc tcagagattc gggcgcccat 300
tgttactgtt ggtgttaata acgatccagc tgatgtaagg aagaaagaac tcaagatggc 360
tgaaataaaa gttaaagctta tcgaagccaa agaagctttg gaaaattgca ttaccttaca 420
ggattttaat cgggcatcag aattaaaaga agaaataaaa gcattagaag atgccagaat 480
aaaccttttg aaagagacag agcaacttgg aantaaagaa gtccacatag aagaagaatg 540

atgctg

546

<210> 253
<211> 474
<212> DNA
<213> Homo sapiens

<400> 253
agcaatatac tgaaatccaa gattgagaac agcaattctg agagcaaggc agtcatctga 60
gtccaccgcc ttccagctgg cccaccttat gaaagaagca aaccctgagg gcgtggagga 120
gagaagaaac tgctgtcagc tttcccatca cacaacttct caggcagtgc tggcgccttc 180
ccctgctcac ttaggacaaa ccaacacttt tggaaatctga ctgtcaagga gagtcacatg 240
gcaccgcgtt taacctcaga tcccaagcct ccaaatgggg tgtggtttct ccaaagggct 300
catgagactg atgtgtgagg acatgaggat gacatccggg tgggtgtggc actagaggaa 360
atgccttttt accnaggaca ggaagnaggg gggcccaatt ttcttttcca acatttcaaa 420
caacaaggng tatgtccgac ccccgattca actttcacia acctgcactt aatc 474

<210> 254
<211> 496
<212> DNA
<213> Homo sapiens

<400> 254
gtattacacg anccccaaac cagaacgtct atgtgggttca ggcntgccgc aatggaaaaa 60
actttgactt ctaattaaac acctgaaacc aatgaatcct cctcttggaa ccaataagac 120
tgggacatca tcagaacctg aatgacaaac ttttggaaagc cagggtctca cgctgtcacc 180
caggttgga tgcagtggcg cgatctcagc tcattgctac ctctgccttc tgggctcaag 240
tgatcctccc accacagcct gctgagtagc tggactacag agttgcctgc atttcagcag 300
tggatttaag caacctctat gtaaaatatt gcagcatgct gagcttaaga tatttcttgn 360
ttcctgcttt aatctaaagc tttgnaccaa tgatgantaa ctnggaaaaa gaaggccttt 420
tccaagggac atcgtcact gncctgatgc ccnggcagtg nacacttacc gactcagntt 480
tccaaagatc ctcaat 496

<210> 255
<211> 377
<212> DNA
<213> Homo sapiens

<400> 255
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cttctccatg ttcatgcatg tcttttaacc cggaacaag aagactgtcc ataggtctag 120
acaatggnaa aatctcagag tttatatgtt cagaagatta taacaagatg actcctgtga 180
aaaactatca agcgcacag agcagagtga cgatgatcct gtttgtcctg gagctggagt 240
gggtgctgag cacaggacag gacaagcnaa ttgcctggca ctgctctgag agtgggcagc 300
gcctgggagg ttatcggacc agangctgtg gcctcaggcc tgcaatttga tgttgaaacc 360
cggcatgtgt ttatcgg 377

<210> 256
<211> 245
<212> DNA
<213> Homo sapiens

<400> 256
ctccagcaac aactgtttct tgtgactttc tgtgggactc tgaggaaatgt tgggatgata 60
atcacaggaa ccaatggctg cctctggaaa gcccataatt ctgcacattc atggagcttc 120
actctgattc caaatccaga aagaccacca tgtcacttat ggagacactt gaaatccttt 180
ccacatcttc actcatcacg cctgggggtga gaactaggaa tacgtgaata aaccaataac 240
acgtt 245

<210> 257
<211> 721
<212> DNA

<213> Homo sapiens

<400> 257

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tgggntantt	anaaccctnt	nnggagactt	ttnatgctgg	gtgggtgggg	acccatttta	120
annggccntt	ngaggggttt	ttttttntta	aagggttann	ttttnaaacc	gggcntnggt	180
nggggttttn	ggcngnttt	ttgaacaggt	ccncttaaaa	aaccagaagg	gcttgccaaa	240
aagaaatggc	ttttngnaat	gggcattccg	gctttcgnat	nccttgaaaa	attnccgga	300
aaacacttac	gacttaggaa	gntttgctta	anggccaaac	acgaaagatg	ggcccaaaga	360
aaccaaact	cgtaaggggg	actttccaaa	accccaagta	cttctcttgc	ccaaacactt	420
gtacctcaag	tttcatttgc	ccaggaagaa	gccatatgaa	gcctcacaag	tggccttgca	480
ctttacccca	agtaagccct	tggaaagtgg	tggggggccc	cgtacccttt	tgtaccaag	540
ccggggaagt	taagccgcct	tgctcttacc	ttccttcctt	gggtttcacc	tatncccgct	600
tcacttggca	ttgcccaagg	gggtttcttn	tttcttgagg	gggcaaaaag	ccccaaccac	660
caccctggtc	ttttttgggc	ccactttctt	tccaagcna	aaaattaaga	tttgggctct	720
t						721

<210> 258

<211> 345

<212> DNA

<213> Homo sapiens

<400> 258

accgtggccc	catctattat	ttttgaagag	gaaaactcct	ggngccaaaa	agtccaccga	60
tccttgggtc	agacaaggac	ttccaattgc	ttaatgtcag	atgaatactg	aaagggtcacc	120
agaggataca	ccacggaaca	cagggaacac	atgactattg	aagtgttgaa	gattccagat	180
gaaacgtttt	ttaaaatgta	agcctacact	gcagggcatg	gtgttggtgc	tggagtcccg	240
gctacgtggg	aggctgaggt	gggaggaccc	cttgagccca	gaaattctag	tgcaacctga	300
gcaacacagt	gaaacctcat	ttttaataaa	atatttttta	agcct		345

<210> 259

<211> 308

<212> DNA

<213> Homo sapiens

<400> 259

gatttctttt	caaaagtga	ctttggtgta	gcctctggtc	tggggcgga	gatgagaatg	60
agagggcagc	ctgaccccc	tcctgataag	gaaggaccca	gcgcataacc	tggtcaggat	120
ctggagccgc	acaaacacct	gactcgcccc	ttcaaaaaca	gatccgcgga	atggctcggg	180
acacaacaag	aaattgccgg	caacctgtga	cggtcattt	ttaccgacag	tgggaggcgg	240
gcagtgcgaa	ggaatgcccc	tttctccggt	gttccttccc	agaagcaaaa	gaacgtgttt	300
gtttatgc						308

<210> 260

<211> 517

<212> DNA

<213> Homo sapiens

<400> 260

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caggaagaa	acacgtgcc	agcctgccat	ctgccctcct	gtcttggagc	caggtctttc	120
caccagcttc	cttcatcttt	taacacttgg	tgaagaggaa	tgacacgtca	gtcaaagccc	180
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catcagtcag	cgccgcaggc	tgggccaggg	acagctgtgg	aacctgagct	gggaggcagc	300
tgtgaaaggc	aagaaacaag	gaaaggggac	agaagtcacc	cggtcgggtga	gccagctcgg	360
aggcaggcag	agaaagcaag	agaagggggc	tctcctgccc	tcatectaac	ctcccaggtc	420
ctcccaaaag	gtcccaacc	cttcccaaac	actccccagt	ctccttccctg	tccccaccac	480
catccctntg	gccctgattt	acaagctggg	cagtcac			517

<210> 261

<211> 94

<212> DNA

<213> Homo sapiens

<400> 261

ggcagcccca	tgaatatgaa	gatacttggg	aagtctttac	tacagagcat	gatttcagga	60
atgatgaaac	aataaatgag	aatctggtat	taat			94

<210> 262

<211> 342

<212> DNA

<213> Homo sapiens

<400> 262

ttaagtcgaa	ctgnggagag	gaanagaaag	acagagtnnt	gttctgtngn	gcatgctggc	60
gtacagtgcc	acaatcacag	ctcaccgcag	cttccaactt	ctggactcac	atgacccctc	120
tgcctcagac	ttccaagtac	ttgggactac	agtcacgaat	caccacancc	agcttggann	180
gantttttta	ngggnaaana	ccagtcaatt	ggaactggaa	ttatatgact	tggggccaaa	240
ataactgtgg	tcagctgact	tgttaccgta	tttaatttta	atdddggagc	ttgtattcaa	300
aagctattat	atgaatataa	gaataaatga	tttttttaac	at		342

<210> 263

<211> 520

<212> DNA

<213> Homo sapiens

<400> 263

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nnnggacnnc	aagatgccat	ctataagcca	aagagaagcc	tnagangaag	ccaaccntgc	120
tgacaccttg	ttcttggact	tctagctttc	agaactgtgg	gaaaagaaat	ctggttgagtc	180
atccagctctg	cagtactttg	ttatagcagc	ccaagcaaat	gaatatacct	tccttgacta	240
cttcactctta	taacgtgcaa	atacctcaac	ttcagcacca	tttacctggt	tattcactgc	300
ctttattggt	agtcattttg	gtcttcccca	gaagactgaa	gctattaaaa	gactgataat	360
ctatttnata	tcttttggna	ttatcaagct	caacatggta	tcttcccaca	ataaaaattt	420
gactttctgt	actcttcctt	ccattaatgc	ccgagtgaag	atatggctgg	tagtggtttg	480
ctgaagtaaa	gcggattctc	ctgcctgaaa	aaaaaaagaa			520

<210> 264

<211> 566

<212> DNA

<213> Homo sapiens

<400> 264

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tacctagaag	aaaatgaaac	acctttactg	ttacattatg	gtacctagcc	tccaagaaga	120
ccccgttggt	ccccactctt	ggtattcaca	cctttgtata	gttccctgct	cactatacca	180
nagcgggtct	gcgtgaccat	aaagaagtgc	ggaagtgtcg	gcgcacgctt	tctgagacta	240
gtttataaaa	ggctgcagct	cccatctctc	tcagatcact	tgctctgggg	gaaaccagcc	300
accatgcagt	gaggacattc	aggcaagcaa	gcaccaggt	gatgaggagc	tgcattccacc	360
aactgtgagc	gagccccgag	ctccgcagcc	ctggccgaca	gcctgactgc	agccccagga	420
gacgctctgc	gccagaatcc	accagctgag	ctgctcccag	accctgactc	gtaggaactg	480
tgagatcatc	aatgttttgt	ggttaaagct	gctaagtttt	ggggtcactt	gtgacacagc	540
aacagataat	attcttccct	aataga				566

<210> 265

<211> 334

<212> DNA

<213> Homo sapiens

<400> 265

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gagctttggc	tgtatgaaag	gattcagttg	cctgtctgaa	cagtgactac	catgaactct	120
acatgctgtc	tacttctaac	cctctttggc	ctgactccag	cttcaacacc	tggaaacatg	180
gcaaaaagaa	caggggggaca	ttggcttggg	ctggagccac	gtgtcagagt	ttgactcaag	240

gatagttgat	gtagaatgaa	gagaatgagc	agggacaag	aggtataaat	gtgcatgatg	300
tttattcatt	caacaacat	catttgagcc	cctg			334

<210> 266
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 266						
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ccctggactg	gaaaggactg	gaacattggg	agtgggaagtc	cacattagcg	gaatagtatg	120
ttctgaaggc	atttgagcag	atgaaaacct	gatacatgag	acataaaaacc	tgaggaaaat	180
tatttcatgg	gaacggtaaa	aatgggtggag	agggtaaatt	gggcaaggga	gaagaacgga	240
ggagaggggag	agggaagtgc	tgctgaactt	atttcaaaga	agaagaagaa	aaaaaatgat	300
ctcttgtttt	tcattaaata	atggatgctc	tccaggcc			338

<210> 267
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 267						
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gaatagagaa	atcagcaaag	gacggtgtgc	aggccagctc	ccttctcaag	ccatgtggtt	120
ggcagaccct	gtgggagcct	tccgggaccc	acccttccat	cctctgcaca	gccgctaaag	180
gaggggtgagg	agcccacacc	agaactggtc	tgcttgtag	atgcctgaag	aggacagtcc	240
cagttgattg	tgttttctta	actgtagact	ctaactcttc	caggtggaat	cttaattgag	300
gctggccctg	ccagggcatg	tacaggggtcc	tggaattca	acagaatgaa	ttcaacagaa	360
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atgtggtgat	tt					432

<210> 268
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 268						
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cacctcagtc	tccaagtag	ctgggactac	aagtgtacat	caccatgcct	ggctaattga	120
ttgtcaattt	ttgtagagat	gggggtatcac	catgctgccc	aggctgcca	gtctttatgt	180
actttccgac	tcataaaaag	actaaattat	gttcaatact	attttagcat	taattaaaca	240
tattttgcta	tattg					255

<210> 269
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 269						
gacggactct	tgctgtgtca	cctangctgg	agtgcagtgg	gagcaatctc	agctcactgc	60
aacctctgcc	tcccggttc	aagtgattct	cctgcctcag	cctcctgact	agttgggact	120
acaggcacat	gccaccatgc	ccagctaagt	tttgattttt	tagtagagat	ggcgtttcgc	180
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ttacaggcgt	aagccactgt	gcccggccat	gcattcattt	cttacacgta	tcattgttgt	300
tttaaaagtg	aaaagcctaa	gaagagatgt	taggtttgct	tgtaggggta	ggattaattt	360
ctaggtacac	caagccaaat	ttncagtcct	gctgntaaca	cccaacttct	tgngaaccct	420
ttttttt						428

<210> 270
 <211> 286
 <212> DNA
 <213> Homo sapiens

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<400> 270
gttgaggatgt agttgcggtga tcacagctca ctgcagcttc aatccccggc tccagtgtatt 60
ctcccacctc agcccccgag tagctggggc tacagggtgca cattacaaca cccagctagt 120
ttctgcagtt tttgtggaga gatcggttca ccatgttgcc caggcatttc tcaaactcct 180
gtactcaagc aaaccttcca ctttggcccc aagtactggg attcaggcaa gagccaccgc 240
gtctagccaa ttatacaatt tttaaaataa attgaaatgg tcgttg 285

<210> 271
<211> 285
<212> DNA
<213> Homo sapiens

<400> 271
gtcctgatat ggaagaaact actgatgtca gctgaaggac cacactgatg cagctgtcct 60
gaaggactcc ccgaggagct acctcatcaa aaaatacagt ttccactttg cgatgatttt 120
atcccccttg ccccaaccga ccagcaaccc cagtattcca gcccctcact ctccacaata 180
cccttaaaaa cctcatccc agaactcctt gaggagatgg atttgagggt cccttctgtc 240
tccttgcttg gccacccctc aatcattaaa ctctttttct gctgc 285

<210> 272
<211> 326
<212> DNA
<213> Homo sapiens

<400> 272
gctgtggtac cagtgggtatg aagaagcaac taagagaacc caatggatga gttcctctgt 60
ttcagtaaatt aatcaaaggc aacatctgag ctggataatg aacaggaaga aaagaccacc 120
aagtatcatc attagtggaa tactgactga aatgaatcaa gatctcttcc tcaaccaaca 180
tgacagaaac attccaaagc tgccttcac cacctaggtt ctataagaaa ttaaagtcct 240
aatgctctaa tatatgctat tataggcaat gagctcttaa tctatgcat ctagaagact 300
ggctatgtat cacccttggg agaact 326

<210> 273
<211> 362
<212> DNA
<213> Homo sapiens

<400> 273
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ctaggcactt tggagtagca cccaccagct gtgtgaaggc caaatggatc ttaaagagtt 120
gtgcagtggg actgaaagag gagagtcact atttcagaga taaccaaatg ttaaaaaaaaa 180
gagttttgaa aacgtggaca agcttcaaata gaaaagaaga ggatgacaga ggacttggag 240
gggaagaaaa caaaaatcat aatcatagac aatattgttc accatgtaca agacagtgtt 300
ctaagcagaa tgagtgcctt tgggtgatgat acctcgtcag gaccacagta aacttaccac 360
ct 362

<210> 274
<211> 105
<212> DNA
<213> Homo sapiens

<400> 274
ggaggctgag gtgggaagat tgcttgagcc caggagtttg agaccagcct gagtcaacac 60
agcaagacac tgtctcttaa aaaaaataaa taaatacttg ttttg 105

<210> 275
<211> 548
<212> DNA
<213> Homo sapiens

<400> 275
acagggtctt gctctattgc ccaggctgga gtgcagtggc acaatctcag ctcatgtcag 60

cctcgacctc	ccaggtctgag	atgatcctcc	cgctcagcc	tcttgagtag	ctgggactac	120
aggcgcgcac	caccatgcct	gctgattttt	tgtagagaca	gagtctcgcc	gtgctgcaca	180
gactagtctc	gaactcctga	agctcaagtc	atctgcccac	ctcagcctcc	caaagtgctg	240
ggatttcagg	tgtgagccac	catgcccagc	catattcttt	tttttttttc	aatngnnggg	300
aaattcccnt	ancataaaat	taacttttta	aacngaacaa	ttcagggggg	ntaaaaanat	360
tnanaagggn	ggactannan	aaccttngnt	tagttccaaa	anattttnt	taccccnca	420
aaaagcccan	acnttggang	nnggaacttc	ccntttttcc	cctnntccca	gcctttgaaa	480
acnacnaann	tgggtttttg	tggntngnct	nttttggnnn	tttnanataa	angngggttt	540
ttaatatg						548

<210> 276
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 276						
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gagagaattc	tggatgatcc	agggtgggcc	ttaataatgg	tcccttatta	cagagagcca	120
gagggagatt	tgaactgac	aggagaagtc	agtaagacca	tgaatgcaga	gattcgagta	180
atacggctac	gagccaaaag	atgccagcag	ccacctgcag	ctggaagagg	cataaatgga	240
ttctccccta	aagctcccag	gagtgtggcc	ctgctgacac	cctgatttca	gccccatgat	300
actgatgttg	gactggctct	cagaactgtg	aaagaataaa	ttcctattgt	tttaaac	358

<210> 277
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 277						
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agagacaccg	gaggaatgga	acccaagtca	tgggaataacc	tcacattgca	gagccacctt	120
gctaattctt	gactgctcac	ctctggacta	tacttgga	aataaatata	cttttaagtt	180
gtt						183

<210> 278
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 278						
ggggagctcc	tgcttaagtt	acgaagctgn	nattcattct	ntagaagggc	atcanaggaa	60
gataaagaag	gacctcaat	gtcagacatc	tgagcccaag	ctaagccatc	ataatccctg	120
tgacgtgcac	atatacatgc	cccactccaa	ctaataatc	gaccttgtga	cattcctccc	180
ctggacaatg	agtctcatga	tctcccaacc	ctgcaccttg	tgacctctcc	cctgcccaca	240
agagataacc	acctttaagt	gtaattttcc	actacctacc	caaatcctat	aaagctgccc	300
caccctatc	tccctttgct	gactctttgt	ggactcagcc	cacttgcacc	caagtgaat	360
aaacagcctt	gttgctctca	c				381

<210> 279
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 279						
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ctgtactggg	gtgaagagta	tcttccaaaa	attcacatct	accagaaca	tcanaatatg	120
aacttttttt	gaaatacggt	tttgcnatg	taatcanata	aaaatgagat	nataccanat	180
tagggtnggc	ccttatccaa	tgaatagtat	ccttaccaaa	agacggaaac	ttggacatgc	240
acattccggg	ggaacctcca	tgtgatgggtg	aactactaaga	ctggagtgat	gtgtctacaa	300
gccaaagaaat	gccaaagattt	ccagcaggca	ccagaagcta	gtagagaggc	atggaacaga	360
ttgtccctcc	gaacctccag	aaggaaacca	gcctgcagat	gccttaattt	cagacttctg	420
atgttcagaa	ctacaaaaga	ataaatcct	gttgctttt			459

<210> 280
<211> 281
<212> DNA
<213> Homo sapiens

<400> 280
tggggagctc ctgctttaag ttagaactnt gggacagnat gtcngtcnna canttttatc 60
ccgngtgga tgcagtgggt tgatcctcct gcctcagcct cctaagtagc tgggactaca 120
gagacggggt ttcacatgt tgaccaggct ggtctagaac tcctgacctc aagcaatcca 180
cccacctcgg cctcccaaag tgctaggatt acaggcgtga gccacctcgt ctggccaata 240
aacagaactt acaattgatc tnaaaaaaaaa aaaggccggc g 281

<210> 281
<211> 252
<212> DNA
<213> Homo sapiens

<400> 281
gaagatgagg atactgacag agtaaaatca tggagaaaat ggaagaactg aatgcagaca 60
tgagaagtta aatcacagaa gaaaagttaa gcaggaactt gagagagggg tgaactgtga 120
caagttgtaa gaaggaagac caggactcac caggaaaata ataaattgtc cttgatcgta 180
caaaaagaatg tgtaaatgga attttcctaa taaatgtgag agaattgtcag cataaatatt 240
gatttttaaaa ac 252

<210> 282
<211> 380
<212> DNA
<213> Homo sapiens

<400> 282
atggagtctt gctctgttgc ccaggctgga gtgcagtggc acaatcttgg ctcaactgcaa 60
gctccgcctc ccagggttcat gtcattctcc tgcctcagcc tccaagtag cgggggactac 120
aagcaccgc caccacgccc ggctaatttt tgtactttta gtagagacag ggtttcactg 180
cgtaaccag atggtctcga tctcctgaac ttgtgatcgc cccacctcag cctcccaaag 240
tgctgggatt acaggcgtga gccactgcat ccggcccagt aatcttttaa accacactca 300
ttgnctaatt ttgctagcaa ttcaatataa actttatgct ttgaaaataa aattggattc 360
attttgaaaga cttaaaaaag 380

<210> 283
<211> 120
<212> DNA
<213> Homo sapiens

<400> 283
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tgtggcatga aggaaaagg aaaggaaaag ggaaaggaaa aaggaaagga agaaaggaag 120

<210> 284
<211> 317
<212> DNA
<213> Homo sapiens

<400> 284
gttcatgtgg aaccctgggt tctcctacat accatttggg gacgctgggg accagtatta 60
aagaaaaatt atccagacac ttgtaaaaat gcacagtgat ggacattgag gaagatattg 120
tatatttgtt cactcaacac tcattccaac gctctcctag tttgcctttc tatctactac 180
aggctggaag actgactcta gtggagcctg ctgtctgaaa ctccgaagtc tgaccaaaagc 240
agcaaccccc tctccattat cctgttccc cctcctctca cgacataaac aaaagtgtaa 300
gcatggaaat cataatt 317

<210> 285
<211> 300

<212> DNA
<213> Homo sapiens

<400> 285
atgtaaagag ccatgaaaca gatgtgagag atgccctgac ttagaagccc cctcttcaca 60
ggtgcccaaca tctcttgaac aactcagcag gcatgggttc aaagaccccc ccacacaaaa 120
tgcccgatta tgagtcaaca ccttcagga agcccaaagc attttcctta tctggagatc 180
ctctgtcagt caaatccac tattatgaat acagcaaac aatacagaag aaatgagacc 240
attatgtaac agaaatagat gtcacagaga tcacacaata aagctcacgc aatttactcc 300

<210> 286
<211> 436
<212> DNA
<213> Homo sapiens

<400> 286
ctctgttgcc caggttggag tgcagtgggt caatctcggc tcaactacaac ttctgcctcc 60
caggtccaag ctattctcct gctcagctt cctgagtagc tgggattaca cgcacacacc 120
accatgcttg gccaatTTTT gtattttaaA agagggtggg ttttatcaca ttggccaggc 180
tggtctcaaa ctctgacct caagtgatcc acctgcctcg cctcccaaa gtgctgggat 240
tacaggtgtg agccaccggg cctggccaag agttacttac atttttaaA gacacattat 300
ggcattttat gggagaaatt cttctgctgt cggcaatatt cgatttgagg atttgaccag 360
gtctctggac atctccacac gtgtcaatgg gctaagggtc tttaaataaa caaggttatc 420
tgcataagtc cacaat 436

<210> 287
<211> 388
<212> DNA
<213> Homo sapiens

<400> 287
attggcgtgc ttaaagggtt gaccatctga tgtacaggaa atggaaacta ctctctgaaa 60
agcaagtgat ctcccagccg caccatttta ggagaccagg attttatttt gatccacagg 120
agactaaatg agttagaggc cactcctgta tcaacagagt ttgttactta aatgacagta 180
ggcggttctg cagaaggaac accaaatagt ctgactatct accaagaaga gagtgtttga 240
acacatgtgc aacctcttga ctgtggtgtg tggggcagca ttaataaga aagagctaaa 300
tctgcttgat gtgggaatat attcaacaca tgttaaagtc taaaatatc aaagtaaata 360
aatgtctatg tactccatat tgttaaag 388

<210> 288
<211> 324
<212> DNA
<213> Homo sapiens

<400> 288
cggctgaatc acttgagctc aggagttcaa gaccggcctg gccaacatgg cgaaaaccca 60
tctctacaaa aaatacaaaa attagctgca cgtgatgggt cacacctatg gtccccgcta 120
cttgggaggc tgaagtggaa ggattgcttg agcttgggag gcggagggtg cagtgaacca 180
agatcatgcc actgcacgcc agcctgggtg acagaggcag accctgtctc taaacaacaa 240
aaaacccac tgaattgtat acgttaaaag gactttacat cacgtgaatt acatctcaat 300
gaaaaataaa atactgaatg aacg 324

<210> 289
<211> 565
<212> DNA
<213> Homo sapiens

<400> 289
gtggaaagag aatagcttgt gagagtgtat gagtggaaat aagtgggtcag atgagagagc 60
gcggcgagga tggagagaag cggagaactt gatgcatatt ttggaggcaa aatcaacaag 120
attggctgat ggattaaaag cagaanattt tgccatanag aaatctcttg cttttcaatc 180
tctccaattt gggaaccaac caaccaacca gtctaccaac cagccaacga accaactact 240

caaccggtca	actgactcct	cccggagaca	aagattggag	aattgcttga	atctggtaca	300
aagactaaag	caaagtaata	ctgtatcatg	cacagacctc	aactctgtga	agacagtccc	360
tcatgctgta	ggaagtcagc	cttgaatatc	taggcttagg	ggaggctgag	aaaggtcacc	420
actggagaag	taagcggttg	gggcagggtca	ggatccaggg	ctctcaattc	ttatggagag	480
atcttgcttt	tttaaaacat	canacctgct	ggtgntgcac	tcagttttct	ttcttataaa	540
aatcaactct	ttttgagatg	tactg				565

<210> 290
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 290						
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gtctnttccc	acggacacgc	gagacaatga	ggagatacaa	ggtctcgctg	ttctacctag	120
gctgttctag	aactccta	gtcaagctat	cctcctgcct	nggcctccca	tgctgttggg	180
attacagcta	taaattcata	caattatcag	agtttggttt	tggccaagtc	ataattgtga	240
gtgaagaacc	atggaaggag	aacatttctt	gctcatcaac	tactttcata	aaatcaacaa	300
tttgcttaag	taaagtcttc	aaaataaata	ctgattttta	tga		343

<210> 291
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 291						
ggttttgctc	tgtcacctgg	gctggagtgc	tttcgtgcag	tctcagctca	ctgcagcctt	60
gtcctcccca	gctcaagcaa	ttctcctgcc	tgagcttccc	aaatggctgg	gactacaggg	120
cttatgtctg	ggatcctcac	agagactaga	agtgtctccc	atccccatcg	cagtcctctg	180
cacttcctgg	attgtcagc	ggctccctgc	ctctgccctt	ttgtattcgg	agctacagcc	240
ttgcctcccc	tgttcccacc	accctgacca	cccctcaaca	ccatcccgtg	gtcagctccg	300
ccgccaactg	aggcgacacc	tgttcatgga	aaccctgtga	gcctcttctg	tatccataca	360
caataggtaa	tgntgnttta	cgtgtttcaa	aacattaatg	gtg		403

<210> 292
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 292						
cccagcccca	cgtaaacaag	cccagctgtc	ctgctagaga	ggttctgggg	tgaggctgcg	60
aggagaagtc	ccttgatttg	aagccttaag	agtgaccctg	agcnagaacc	accaggttaa	120
gctgtgtctc	cattcctgag	ccacagaaac	tatgagatga	taaatgttta	ttgctctaag	180
ttgct						185

<210> 293
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 293						
agacaaggtc	tcaactctgac	accagggctg	gagtgcagtg	gtgtgttcat	agctcactat	60
aacctcgaca	gtgagatcct	gagctcgagt	gacgtctctc	cctcagcctc	ccaaagtgat	120
ggaattatag	gcgtgagcta	ctgtaccggg	ccactgttgc	tgttttgaaa	gggagccctc	180
ctctccccta	ccacattcta	tattaagaaa	ttccaaatta	aatgaagaga	t	231

<210> 294
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 294

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gtgaggacac	agcaatcctc	cagaggatgc	agcaacaaga	caccatcttg	gaagcagngc	60
agccctcacc	agacaccaa	tcggccagcc	cattgatctt	agacttccca	gcctccagaa	120
ctatgaaaaa	taaatttctt	ttgtttataa	atc			153

<210> 295
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 295						
ccacggaact	gggattcctg	aaaatcaa	acagaactca	tcataccatt	ggttgaatta	60
caatgttcta	ctttaattgg	gcacttacaa	agtaattctt	caatcagtgt	ctctaattgtc	120
tcaactgcttc	ccaacaaatc	tacgaagaca	gaacaaaaga	tgcaacttac	agaaacacag	180
aaaattaaga	ctgtcagagg	acatagtgtc	tgattcggag	gtgggtggga	gagagatttt	240
cactgaatag	cagaataatg	gaagattatg	ataaaaaataa	ttaatggtc		289

<210> 296
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 296						
gcattgtgaca	atgcaatgag	aagntggcng	nctgnnnntc	acaagagggt	cctnaccata	60
acctgaccat	gctggcacct	tgattcccag	cctctataac	tnnaagctgg	gcaactacca	120
tntncagaag	tgtaagaatc	aaatttntga	tgtgtataag	ccatgcagnc	tatgatactt	180
natgatagta	nccagantctg	actatnatac	agggnctat	acatatttta	tgcttcntag	240
tnntcatctg	taaaataaaa	agtttgaaaa	caagg			275

<210> 297
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 297						
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cttcctgggc	cctaagatca	ggtgatcctc	ccacctcagc	ctcacaagta	gctgggacta	120
cagacaccca	ccaccacacc	ttgactaatt	tttttatctt	tattttttgt	aaccgggtctc	180
aaactcctgg	cctcaagcca	tcctcccacc	tccacctccc	aaagcgctga	gattacaggc	240
atgagccact	gcgccaatc	tagaccctaa	taatgaataa	aacattaaaa	tt	292

<210> 298
 <211> 577
 <212> DNA
 <213> Homo sapiens

<400> 298						
acggagtctt	gctcttattg	tccaggctgg	agtgcaatgg	cgtgatctcg	gctcaccaca	60
ccctctgcct	cctgggttca	agcaattctt	ctgcctcagc	ctcccaagta	gctgagatta	120
caggcatgca	ccaccacact	tggttaattt	tgtattttta	ggagagatgg	gtttctccat	180
gctggtcagg	ctggtcttga	actcctgacc	tcagggtgatc	caccacctc	ggcctcccag	240
agtgtctggga	ttacagggtg	gagccaccac	gccaggcctt	ttttttaatt	ttagtaagaa	300
agagggtctcc	ctatattgcc	cagggtggcc	tcaaactcct	gggcttaaan	aagtcctcct	360
gcctcaacct	ctcacaatgc	tgggatcgca	ggtatgaaca	accacaccca	accnggtan	420
gggtattatt	atcatcatca	acaatgggat	tctttgggtc	tcttaaccaa	actgaatgcc	480
cgnacctctt	ttcacaaatg	cttttctctt	ctggantggc	ctttggcttt	gttngnatte	540
atgtttcaca	tcantaaaag	ccctcttcca	ggatgcc			577

<210> 299
 <211> 148
 <212> DNA
 <213> Homo sapiens

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<400> 299
gtgaggacac agcaatcctc cagaggatgc agcaacaaga caccatcttg gaagcagagc 60
agccctcacc agacacccaaa tcggccagcc cattgatctt agacttccca gcctccagaa 120
ctatgaaaaa taaatttctt ttgtttac 148

<210> 300
<211> 338
<212> DNA
<213> Homo sapiens

<400> 300
gaagggaggc agcccagaca gacttactga aggatgagct gatctttggtt caaatcctgg 60
ctttaccact taatagctgc acacttcctg cagttcctcc cacttatctg agtctcagat 120
gctccccgtt aagatgggtc caatagctac cactgcattt acctcgaagg agtaaagtga 180
gattaaactaa gcgcctgatg tgaagaactg tgcctgcagc ctttgaagga agccaggctt 240
tcgaggatgt gtgaggcctg ggggaattcat ttgtttcaaa taaccatcaa tgagattcca 300
gatttcctgc ccagagttaa aatcggtggtt gaaaaccc 338

<210> 301
<211> 334
<212> DNA
<213> Homo sapiens

<400> 301
tggggagctc ctgcattaag tgagganctg anattatntg tatgcacatt ncatccggnt 60
ctcanatata gnnacttggt caccacagta naggactcan aaatacccat ggcnaacnac 120
tgagatcct cactgnctca ngggcnnagc tggtttgaac acggtcttct cattgnttna 180
ctgcccgcga ttnaccctca aggtccattc tgtgccaggc cattgcatgt tctcaaggca 240
atgaccctgg agaatgaata gccatgngtg gcagtataag tgcttggaag gtgacttagc 300
ccatttgaac aataaaactg tcttttaaag aggt 334

<210> 302
<211> 448
<212> DNA
<213> Homo sapiens

<400> 302
ntcagagccc ggcgctgcat cagactcacg tcaactaana aactnncct gtttatttaa 60
annaaatcna gccccaccca nttgaagtca ctgatgtaac tcagcaaccc acttggnctc 120
caatcctgga aggatacana catgttcatg angcttcngg cgcataatgtg acanaacttt 180
ccatgaaacc aactggccat gantcnaagg actccttcac agagacaaat ccattctcctt 240
caaataccca nattctattg ttgnggggaaa ggcaacgatt tgaaaaactg gagcatttta 300
cctaaaggga ttttaaaaaa tcccaccatt gctttatcac aacttggggg attattantg 360
gatttccttc cctcttgctc ccanaaggng gactttggag aaaaagagag tttggggagct 420
aagaataaac cgcatttctt gcataatgt 448

<210> 303
<211> 216
<212> DNA
<213> Homo sapiens

<400> 303
gagagacggg gtttctccat gttgcctagc ctggtctcga acctctcacc tcaagtgatc 60
cgcctgcctt ggcctctcaa agtgctggga ttacaggcgt gagccaccgt gcctggccct 120
agcaagtcac ataatttata gagggtaact ctgtcgattt taaacttcgc gtagtctgac 180
ccattcattc atccaataaa cacgtattca gcacct 216

<210> 304
<211> 260
<212> DNA
<213> Homo sapiens

<400> 304
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aatggaattg gctggcatct taagtttgga cttcccagcc ttcaaagctg tgagaaaata 120
aatgttggtt aagcccttgg ngaaaaagac aaannaaact gcttttcaaa aaactnanna 180
anaanttgga cggngnecgg ggnncnctnt gtgnncttcc nacacnncgg gnnttttttt 240
naaanggggg gggccccc 260

<210> 305
<211> 520
<212> DNA
<213> Homo sapiens

<400> 305
gctcagctca tcatgaagaa tgtccatgtg acttttggtta ataaaataat agatccagtg 60
gactgtagtc tgtttaactg agacctcaca cataatgtca tggttgacag ttactggttg 120
aaggaaatcc atgttgggct tctgtggatg ctggattctt tccttctgag aagaaatata 180
acacactgac tttgaggtga tgggtggagaa aaagtacaag cagaagactt ttcncaactt 240
ctccataggg tggagtgcag ttgcatgaac atggctcaca gcagcctcaa cttcctgggc 300
tcaagcaatc ctctgcctc accctccata gtaagctggg accataggca ggtgtcacca 360
caccaggtt ctgtaactgg agactgccaa tgaaactgcc aaaaggcaga ttaaccagga 420
gaaaagacat acagacttca tctgatggtn acaggttaat ttttcatgac atggaggcct 480
tcatagaaaa agaagtgaan gccctaaaga agtgatttta 520

<210> 306
<211> 393
<212> DNA
<213> Homo sapiens

<400> 306
nnactgncg actacagctc acgactgcng ccagcatact gacaatgacg cagcccggac 60
ctgggctgtc tctaccaca ggacctctt gtggccctc ctggacacac ccatgttctt 120
cccagatcac ccctcgtgga cccccacaa ccaactgaact attctccaca gctacacttt 180
tgccatttca agaattgtat gtaaattggaa tcatacagta accttttgga attggctttt 240
ttcactcagc ataattctct ggagagttca tccaggttgt cacaggatc aatagttcat 300
ggtgcggacg tacaatttaa cgtttcaccc accaaaagac attgggggtc tttccagttt 360
ttgactgcga caaataaacg aatataaaca ttc 393

<210> 307
<211> 304
<212> DNA
<213> Homo sapiens

<400> 307
gacttctcta tcaggcagca cccaccagag agcagttctg aaactgagac taccagatca 60
gaaacaaaca agcaaacaaa aaaagaccca taggagctgg gagtgcccat ccaagtacat 120
ccacatcatc cagtaaaaga aacagaacct tgaagtcaaa cagactgggt agcacacacc 180
tcctccgttt gctagttgtg tgactaaggg cagtttctta actactctgt gcctcctctg 240
taaatacaaa tgtgctaata atcccacctc gctggatcat ttcaaaataa aatgcataac 300
attg 304

<210> 308
<211> 365
<212> DNA
<213> Homo sapiens

<400> 308
gcctatccag taacagagtc tactgcatca tattaactga taaaccagag atgacaagag 60
aaacatggga ctactcttc atttgcatgt actccagcta agagcttcag ttttcatgct 120
ttgcttcaaa attattggtg agccctgtgc taatttccat ctcatcctag aagtcagtta 180
ttttataagc atgtaattgc ttataaaaat aagctgggaa ggaagaacat tttggaagag 240
ggaggcatat gcctgaaaga agaaggggat gggaatacag tcagttgcta ttttgccca 300
naaatatgtc aggcaaacat gtaggnattg natttccttg attgncttaa ttattggaga 360

aagac

365

<210> 309
<211> 298
<212> DNA
<213> Homo sapiens

<400> 309

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ttggangccg	ggcaggcnga	tcacganatc	angaaatcaa	gancatnctg	gccaacgcaa	120
tgaaaccccg	tctttaccaa	aaatacaaaa	aaattaacca	ggcgtggtgg	cgggcgccta	180
tagtcccacc	tactggggaa	gcttaggcag	gaaaattgct	tgaacctggg	aggcagaaat	240
tacactgcct	gagattgcat	nactgcctnc	acctgggcaa	caagacaaga	ctccgtct	298

<210> 310
<211> 459
<212> DNA
<213> Homo sapiens

<400> 310

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caccgtctgg	gagaaagcaa	ttggaagaaa	tgcaaagctc	ttcaaaggag	acctataaag	120
tcatctttgt	ttgtttcatt	cttctcatgt	ttctgcattc	tgggcattct	cctaaattgg	180
ggagaaacca	aaatgccccag	aagtcaaatt	ctgcaactgt	catcaagcaa	aatgtcaaac	240
gagagaacca	aagtatgctg	gattctatat	tgtaggaag	ggatggntaa	tttgattgac	300
tcttgggagc	tattttctcta	gcattaagta	attctaggga	acccttctgt	gatcatctct	360
gagtaaataa	agaaangaaa	ttgcaattca	aaaaaaaaagc	cagcgaggcc	anttcagctt	420
ggacttaacc	aggctgaact	tgctcaaaaag	ggggggggg			459

<210> 311
<211> 585
<212> DNA
<213> Homo sapiens

<400> 311

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tcaggggtcc	tgccctggcc	cggctcactg	ctgatgttga	cctcggctac	ctggcagagt	120
gtgctggcca	ggttttctcca	gcatgaagtc	actctcgttt	cccttggcga	tgctccttcc	180
atcaaaacca	gagtgtccca	gctctagatt	ccccacccaa	tctcctgtgg	ctgtctcaac	240
acctccgtcg	tgaatccgtg	catcccttca	gacgactgcc	ttccgatgcg	gccctgacct	300
gccccccctc	ccatcactga	ataggactcc	ttttctcctg	gatttctctg	aggaagtttc	360
aaaatgctct	ccaggntttc	tgnggggtgga	ttatcctctg	gatctttcta	aagtgaagtc	420
ctggtttcac	acaactccc	ccgacacagt	tgaacaactg	taccgngggg	aggcttggn	480
ctcttgcccc	atttggggga	tgncattgna	atcatgccaa	gggccctgac	gtcanaactt	540
cacctgacat	gtgctcatgc	cgggttacaa	accttccaag	acaag		585

<210> 312
<211> 117
<212> DNA
<213> Homo sapiens

<400> 312

catttgtcac	attgcaaaaag	acctcaacgc	acagctgact	ccagggtgga	aagaccaacg	60
acacgccgaa	attcatcctg	cactccagcc	tgggcaacaa	gagcgaaact	ctgtctc	117

<210> 313
<211> 132
<212> DNA
<213> Homo sapiens

<400> 313

agtttggtcg	tgttgctcan	gctggagtgc	tgctgtgctg	tcatagccca	ctgaaacctt	60
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gatttcttag ccttaagtga tccccccacc ttggccttcc aaagcattgg gattacaagc 120
atgagccact gc 132

<210> 314
<211> 263
<212> DNA
<213> Homo sapiens

<400> 314
atgaaccatt tctggtgcag aaaaggctcc gatgctgctt ttatgaagga acataatgct 60
agcttggaga tcacacaatt gcagacctct ttctctcggg tgggaaatat actgaagaac 120
agaagacacc tgctctccct tcacctccca ccatgattgt aagcttcttg aggcctcact 180
ggaagaagct aagaagatgt tggcgccatg cttgtatagt ctgaagaacc atgagacaat 240
taaacctctt ttctttataa att 263

<210> 315
<211> 362
<212> DNA
<213> Homo sapiens

<400> 315
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aaaccactgc gcacagatgg tctctctccc ctgtcaccgt gacctccaac cctcccctc 180
agcgtccgcg ccagaggggt tgctgcatcg gaacttgccg gcacaggacc tggacagccg 240
cacttagcaa gctcttcttc cacgcccatt gtgactgtaa ggtggggagt ctgggaccat 300
gggggcaccc acctccagca aacacgccac aagcaccttg gaaaattcaa ttctgcctcc 360
ct 362

<210> 316
<211> 141
<212> DNA
<213> Homo sapiens

<400> 316
gttttttggg gattgaagaa gatgaagaca ttgcaactaa taatgacact gctactacgg 60
ttgtagggaag gaacgcacta aggaataact agaaacggat gaagaagatg atacagagcc 120
acgctgcagg actattttga t 141

<210> 317
<211> 508
<212> DNA
<213> Homo sapiens

<400> 317
atggagtcta ctctgtcacc caggctgacc tcgactcaca gcaacctctg cctccagggg 60
tcaagtgatt cttctgcctc agcctcccga gtactgtgga ctacaggtgt caggcctctg 120
agcccaagct aagccatcat atcccctgtg atctgcacct acacatccag atggctgaag 180
taagtgaaga tccacaaaag aagtgaaaat agccttaact gatggcattc caccattgtg 240
atgtgtttct gcctcaccct aactgatcaa tgtactttga aatctcccgc acccttaaga 300
aggttctttg taattctccc cacccttgag aatgtacttt gtgagatcac cctctgcccg 360
caaaacattg ctcttaactc caccgcctat ccaaaactat aagagctaata gataatccac 420
caccctttgc tgactctttt tcggactcan ccgctgncc ccgggtaaaa taaaaagccn 480
tgtgtcacgc caaaaaaaaaa aagggccg 508

<210> 318
<211> 404
<212> DNA
<213> Homo sapiens

<400> 318
gtgggggtctt tcattggcgg cagagtctgg ggctggcatg gctgctgggc tgcttggctc 60

tgaggacca	ccgtggagtt	ggaacctgac	ttgtcggg	ctgaggacct	gccaagtga	120
gaacattcga	gttctgcagc	tgctgctaaa	accatgggtgc	atctccagg	cccgtctatc	180
aggtgccatg	cgtgccatac	ggtgcgccac	gtgaagtga	ccgtaaaca	gatttaattc	240
aactttcaaa	gccacccgga	tgcagaaa	gcctatgtca	ccatcttgat	tattattgnc	300
accattttga	gatgagatta	ttgaaactca	nagaanggat	gnaagttggt	tcaaaagtca	360
cccanacaga	acctgggtgat	ttcaaacc	agttctcctg	gctg		404

<210> 319
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 319						
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cctgcatcca	gtggctgtca	aagggggagc	aattctgcag	gatcatccgg	gcccctgagc	120
tctctgtaga	acagctgaag	cgaccgcatg	gcctcaactt	ctccttccac	ccattcctgt	180
ttcctgccct	ccctgctcag	gggtaactcc	aagagcacc	tccagtaa	ctcttgc	237

<210> 320
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 320						
caacctatcc	aggataccat	gtttcattta	gttgatcatgt	ctcattgtta	ccagaaagt	60
gtcccaactc	agactccaag	agagagtttt	tggacctcaa	gcgagaaaga	tttcagagca	120
agtccacaga	gtaaagtga	ggttctaaaa	cactatattt	tgggagtgca	gcaagggttg	180
gcggaatgga	actgaaataa	caagtgggtt	tgttatcc			218

<210> 321
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 321						
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aaaggacagc	tcttagagag	ataggataat	tactggactc	aagaagatac	caaactcatg	120
tgtgcatttc	tgcgttgtgt	ttggaagagg	aactaggatt	gttatgaaaa	ggaaggatgt	180
gttcaactta	naagaattaa	acctcaacca	tctgtctctt	cccaac		226

<210> 322
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 322						
ctgaaagaaa	tataagaaat	acaacctaat	actgtaatga	agtgttcctg	aacaaaaata	60
cagataagct	gttttaaaat	attatcttta	tttgtatgct	catatcagga	taactccaac	120
taaggcaatt	tgtctaagta	gctcatttat	ttaaaaagaa	aagtaaaaat	agcaatg	177

<210> 323
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 323						
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aggttttttt	gtccttgaag	agcacttagg	gctggagagc	aggacacatg	ctgacgagca	120
gaagctgaca	ggcttgctgc	catgtgggaa	agtccttgg	cgagttgtct	gcttgcgag	180
aggtgtctgc	ggctcaggta	tgaacaaaag	aaacatgctt	cacttctggg	cagaatcccc	240
aagagctacc	atgaggctcc	ccgcttctct	tttctcccta	ccacaagact	gacatgactc	300
caagagggac	tgctccttta	gcctgggtcc	ctagaatgaa	gattgatatg	cagaaaaact	360

tcagccagcc	tgcaatggac	ttgtgggggt	agcaataagc	ttttgttggg	ataagccact	420
gagagccagg	ggctgtatgt	tactgnngca	gaacttaact	gaagctgact	aacactggta	480
ctaacagaat	cattttcaaa	tg				502

<210> 324
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 324						
acaaatcata	acgaacagag	tccagtgagt	ccctctgtcg	caacaagttc	aggatcactc	60
aagcagtgga	gacggagttt	caccatgttg	gcaaggctag	tctcaaactc	ctgacttcaa	120
gtgattcgcc	cacctcggcc	tctcaaagtg	ctgggattac	aggcatgagc	caccgtgtcc	180
ggccccacta	cattcttaaa	gaagcaataa	attgaccttg	tttaaatac		229

<210> 325
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 325						
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aactcacgac	agggaggaag	aattgcgagt	acttgctact	gctgtgatgc	cgtggagtga	120
gcagaaaagat	caatgccaga	tctaaaagga	cttgaggctg	tgagttccat	ctcttggtct	180
ctctcaccct	cttgcccttc	actatggggg	gatacaagaa	tgccctcgac	agatgctagc	240
actttgatac	tggatttccc	accctccaaa	gctgaaaaat	aaatttcttt	cctttat	297

<210> 326
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 326						
gagcagaaat	gtgaacagct	ggaggccgga	aaagaaagga	cacaagcgga	gaagaaacac	60
cagaggaaaa	ataatccctt	agagggtaaa	gaacaaataa	ttgaataagg	gattaaaaaa	120
cacacaagga	gagatccctg	gtaattaccc	ttgacagcca	gtgtgaaaag	ggcccgggat	180
gggggctttg	tcctctccct	ctccgctcac	acctctcagc	cgcagtaggt	tctttcctgt	240
tgctcctgtc	ttgatttaga	ataagctcct	tttctctaaa	gc		282

<210> 327
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 327						
attccccctt	gctgacagtg	tgtgccctgg	cgatggagca	gtgtccttgt	tgcagatttg	60
aaccactttc	acctcgtaaa	cagcagctgg	tgagaggaat	ggacttgcac	attcattcgt	120
tttacaaatg	aagaaactga	agcacagaga	aggaaggaat	gatttgtgca	ggaggtggta	180
tttgagatac	tcatcatttt	ctctcattac	ccacatttgt	ttctactcct	gtagtagttt	240
ggttaaaggc	aatagactcc	ttgttcctt				269

<210> 328
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 328						
ccgcagcgcc	tcccgtcctt	ccgacgtgga	ctcgtggctg	taatagcgca	gcaggaaggg	60
ccagacctcc	ccgcggattg	acacatcaat	accgccaaag	aaaatggcct	ggaggaagcg	120
gcaaaagtgt	gtgaggggat	naaatggggc	agctcaaaga	acccccaaat	cccc	174

<210> 329

09423674.102799

09428674.102799

<211> 405
<212> DNA
<213> Homo sapiens

<400> 329
agaaaatacc tggtaagccc taatggaaac catctgttag aaaaagaagg agacagaatc 60
gtggagctct gttgacttcc ctctgtcttac cagcaaagag aagaggtgta gtaattctta 120
aaaaggaaga aagaagagag atcaaagtgg gagaaggaaa aataaaaaga aaaaggacta 180
agcactttct tctttcctct gagagactgc ggtgggtctc ccacctttcc ggagactcgt 240
cagcacctgc ctggtggaca gcaccacatc tttaaattct aaggttctaa cccctttatt 300
cccaaattct ggagttcact aacaaagtgg ttttcattct ttaaaaaatg aaatgaaacc 360
aaagagggac acacagaggg cttccaaaat aaaatgctag atctt 405

<210> 330
<211> 434
<212> DNA
<213> Homo sapiens

<400> 330
gacagaagct ttttagtttg acatcactaa tcatcaagga aacacaaatc aaaatcacaa 60
tgagatatca ccttatacat gtgaggatgg ctattatcaa aaatacaaaa cacaagtgtt 120
ggcgaggatg tagagaaatt ggaacccgct gttggtggga acgcaaatg gtacagccac 180
tatagaaaac aacttccacc ccaagaagtt gtgaatcaca cagtatttct gaaaaggcat 240
ccttgcccta tgcaaggctg ccaatagcca aaaggaggca tctgagggaa ggaaaaaaga 300
actgcaccat gcatgcatga agttggcaat ttgcaaaaaga aatctgaaac aacattgcag 360
gcagaaaaag caggaaagag gagatggtna gagacataaa tggggaattg ggggcaacag 420
gaaattcttg cccc 434

<210> 331
<211> 167
<212> DNA
<213> Homo sapiens

<400> 331
ggaccataca acataatctt tatagtctcc agcaacaggt atgccttccc ctctacactg 60
tgcttcttgg gggctaagga agaaactgag actgcatttc atccttcagg agtgagaagt 120
ttttgctcca gtcataaata cttgctgaat aaatgaatct tctattt 167

<210> 332
<211> 254
<212> DNA
<213> Homo sapiens

<400> 332
actgagatat ggttgaacat atacttagga cacgtaataa ctatggaact tcatcacaaa 60
cacagcactg aggacatggt ctgaatacag acaatatgga ggcctcaggc tcagaggatg 120
gcagagtctt cagatggatg gagggagctg cagtcactga accactgcag ggagagaagt 180
actcacagac caggaaacgt caacttgac tgttatgtga cagagtaata ataaacttct 240
attttgggtt gagt 254

<210> 333
<211> 422
<212> DNA
<213> Homo sapiens

<400> 333
gatcctgtgc actttattct tccctaccag cctcagaagc cacgtgctga agacagtga 60
gttctgtctg ggaagaagca tcgatcccta aatggctgca tggagcagag cagagatgtc 120
tgctcactaa gttggttcga agctgaggag gaaaaaaatt aggtgctagg atgctggaga 180
gatcctcaga aacccctcta catgaatcat ttaagtagat gaagagctag attgcaataa 240
tcattgggag gagaagaaga ataaaacatg agattccatt cacatcccag aattaaaggt 300
aaaatgggta aaaagtgaca ttttcaaacc tggaatcaca ctggaacggt atttgcattc 360

tggtaggttaa caataaaat ttaactntna aaatanggcc cngggggggg gggtcatgcc 420
cg 422

<210> 334
<211> 327
<212> DNA
<213> Homo sapiens

<400> 334
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tgaaaccctg gaagaatctg gagtcagcag aagtgtgcat gttgcaaaaa tcacagaatc 120
atgtaaggaa tgaaaggaaa gcccccttct tcaaccctga ctccaacaat cccactgctc 180
aaaggaaccc agataatacg taggaaatac atacctacgt gtttcttaca tatttagaaa 240
tatgtcaaca taagtcatta taaacataag tcattataat taagtcattt gtacttgaga 300
agtcctaatag tacatggtta caatgca 327

<210> 335
<211> 460
<212> DNA
<213> Homo sapiens

<400> 335
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gctttccagt gcagcccttg gaattaaaaa ggaaaattcc tgccctcaga taaagatagg 120
gtcttgctgt gttgccccagg ctgggtcttg actcctggca tcaagcaatt ctccccacctt 180
ggcctcccag agtgctgggg ttacaggcat gagccactgt gcctgggtcaa ctgtaacatt 240
tgattgcttg gggctgcctg aagcatttgg aggatgagag gagagcattt attttctttt 300
ggagagaaat ctcaacagta tgggcatagc tggctccttt tatctctgct tttcatcgctc 360
tttggctaaa ctgccatgga gacctggccc cttctacett attttagaca ctttaaaaaa 420
cacgggcnch ctttggnan anattttaaa aaacccccac 460

<210> 336
<211> 305
<212> DNA
<213> Homo sapiens

<400> 336
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actcctatct gcctggaatg ctggtgtgtg anngtgtaat gtttgaagct gtggctgcc 120
tcttgtaga aaggggcact cctgtgtgtc aggatgagga cggcagagga agatgctggg 180
gaaagcctgg atctgcggac atctctgaac cactacgtcc tgggaccagc tatctgggct 240
tcctgttttg tgagataatt tcacgtattt atgataaaat tattaataatt tgggtatcct 300
gttat 305

<210> 337
<211> 174
<212> DNA
<213> Homo sapiens

<400> 337
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ttccatgaac tttttgaaat ccccttgat tggcttcctt ccctcttctg tcttacttct 120
ctactcccta caagtgtttt ctgggatcac ctccaataa actacttgca atct 174

<210> 338
<211> 98
<212> DNA
<213> Homo sapiens

<400> 338
tacgtccaaa ctgagggatg ntaccgggtc ggccatatca gggncacttg naaatttgcc 60
tacaaanatn tgctgtcttt ccagngcagc ccttgga 98

<210> 339
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 339
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 ctgaggcctc ctgggaatat accaaggcac catccacccc ggggcctttg tacttgctgt 180
 tccctttgcc tggaagactc tttctccaga tatctgcagg gccccacctt caattcattc 240
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<210> 340
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 340
 atttctcatca ctgaatctcc actgaaaaaa acagggtttg gcacattggt aatttactga 60
 aaagntgang ccaggcgtgg ngntcacac ctgnnattcc ancactttga gaggccanga 120
 tgggaggact gcttgaggcc agaagtttga gagcagcctg gtcaacatag ncagacctca 180
 tctctaaaaa taaaaataaa gtanataaaa cataaaaaaa gaagaaacnn cnaanaaaaa 240
 angggcctcn gnggcctttt aacttgggat t 271

<210> 341
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 341
 tggggagatg tctgcgttct nctncttgag gagaanccgg gataaatgga cttgangcca 60
 cgaggagcca gtgagtgggt cctggaacac cgtatgatgc ccagaggagc ccagcagtca 120
 tgctctgaca gcagcatatg gtgcgcactg gaagaagggg aaaataaggc caggaaggca 180
 gactgggagc ttggattcga ggctgaagaa ctgccatcaa atgtttttga aagggtgtgaa 240
 ataatcaaaa ctgtactcca tgatgattaa agctggcata gtgtg 285

<210> 342
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 342
 atggcgcttgc gctcttattg cccaggctgg agtacaatgg cagcatcttg gctcaccaca 60
 acctctgctt cctgggttcg agtgattctc ctgcctcagc ctcccaagta gctgggatta 120
 caggcatgtg ccaccaagcc cagctaattt ttgtattttt agtagagatg gggtttctcc 180
 atgttggttca ggctgggtct caactctcga cctcagggtga tctgcctgcc tcggcttccc 240
 aaagtgtctg gattacagat gtgagccact gcacctggcc aaaagtgaag tcttaattcc 300
 taattacttt gtctcctctt gttattaact tcttttact tcttgaattt actgnactaa 360
 ctgcacaaa agaaaaattt cttgattata taattcatgc 400

<210> 343
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 343
 atccattatt tgggcaggat tctgtangga aaactcatca ccacttnata tancatcagc 60
 catgcggctc anctganggc tgntggatcc acttntaaga tgactcactg ctgggctggct 120
 gttaatgctg ggntgaggcc ctggggcctt ggttngtctc cacattgncc tctccattan 180
 gcctggactt cctcacanaa tgggtggacga gnetctaagg gtaaacatcg caagagagaa 240
 aaccanacaa gagagcaaaa cttgcctttt gtgacctagc ctcagaaatc acatagtgtc 300
 tattaattga agcaagtccc aaagtccccc ctgggttcaa ggggaggaga tactgactac 360

actgtccttg atgggagggc ggtaaagatt ctggaagaaa aatgggacca, naaatgntgn 420
tgcacnnttt tggggaaagg gaatntaacc caaccgggt 459

<210> 344
<211> 423
<212> DNA
<213> Homo sapiens

<400> 344
attcattctc atagaagggc atcagaggaa gataaagaag gatcctcaat gtcagacatc 60
tgagcccaag ctaagccatc ataatccctg tgacgtgcac atatacatgc ccactccaa 120
ctaatacaatc gaccttgtga cattcctccc ctggacaatg aatctcatga tctcccaacc 180
ctgcaccttg tgaccctccc cctgcccaca agagataacc acctttaagt gtaattttcc 240
actacctacc caaatcctat aaagctgccc caccctatc tccctttgct gactctttgt 300
ggactcagcc cacttgcacc caagtgaat aaacaagcct tgttgctccc aaaaaaaaaa 360
aggccagnn ggccaattna gcttggactt aaccaggctg aacttgntna aaaggggggg 420
act 423

<210> 345
<211> 238
<212> DNA
<213> Homo sapiens

<400> 345
tttcagagag gaggggagct gtgcagagat gtgctggagg agtgcctatt ggtgaccaa 60
gacatgggat gctgaagcga tacagaatgc cacctggaag ttcgttgaaa ccattgccga 120
ctaggtgtgg tggcttcgtg cctgtaatcc cagtactttg ggaggctgaa gcaggaggat 180
cactggagac caggagtcca agaccagccc gggcaacata gtaagaccct gtctctac 238

<210> 346
<211> 151
<212> DNA
<213> Homo sapiens

<400> 346
aaaaaggtaa tatttaagcc tgaagtttaa actttctttg agatccactc tgaagattta 60
ttaatttctt ggggtttgtg ctgcattctg ccctggctc ccaccatgta tccatgaggc 120
atgcatgtta acaaacttct gtttgatttt c 151

<210> 347
<211> 423
<212> DNA
<213> Homo sapiens

<400> 347
gtggccatta ggggtgtcca gaaggctggg gaagcacaga caagggtaac tgcaaaccga 60
cagcacaatg ggatacctca gnatcccgcc aggatggctg taactcaaac gacagcaaca 120
ccaatgcagt agacatgagg ttcatcacg ttggccaggc tggctctgaa ctccctgacct 180
caagtcatct gcctgcctcg gcctcccaaa gtgctggaat tacaggcgtg agccaccgca 240
cccggcctgt ttctaccatt ctggaaaaca gtttggcact atactaaatg cctcagcagt 300
ttcacttttg gaaccttctt tgccctcacc cctgggaaat aacatttgcc aaaactcatt 360
gaactgtact cttaaaatgn ggacatttta ttatatgtna actataattc aataaaattg 420
gtt 423

<210> 348
<211> 456
<212> DNA
<213> Homo sapiens

<400> 348
gattatggat tatggatctc tggaataaaaa acatttagtg tcacagcaaa agaagttttg 60
agtttatata caaattaagt aaaagactaa ttttggtttt gaaaaactcg ttctctaaac 120

ttttacagga	agtttaata	aattacatca	tgaacaaaac	tgcagtatgc	cagttcctat	180
cctcatgacc	tcacgattct	gcctgagctc	cacatcaatg	aaaggaaaat	cggataatga	240
agcacttagt	ctaatatctc	aatagcaacc	accaantagg	attacttttt	agaaaagaaa	300
aaaaaaccta	accttatatg	taaatgtatc	tagtgngcaa	atgacataat	gcttatatgn	360
atggaaatct	atctagnngg	ccaatgactt	aatggccngg	gnggggaaac	ngngggcgag	420
aagcccccac	tccnccctc	cnggttttgg	aaaaac			456

<210> 349
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 349						
gataaagttt	gatccagcat	attctaaaat	gctacaagac	tgccagcaag	tttcaaagac	60
acatcagaga	gaactcaacg	gcctgacctg	gagaccagga	ggatgacatt	ctcattaggc	120
aagagatgct	ggaccttctg	cagtaatgag	aatgaaagt	caccactctg	ctctaaaagc	180
aggggctatt	tacccttgac	ctgacacact	tctcaaagct	ctcacaataa	aggcaccag	240
catccactt						249

<210> 350
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 350						
aatttgagaa	tctgatgatt	gcagctggaa	agactgcaga	gagcacctgg	gtcaaccttt	60
tcattttgca	taaagggaaa	tagggccaga	gaaagaaaag	ggactgtccc	aagatcgcac	120
agcaaccatt	ttgaccttca	acaagtactc	cctgactcca	agcaataagg	gtgaaaaaat	180
aaggaataaa	ttgtataaag	cacgt				205

<210> 351
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 351						
agtatggtgg	aaangatggn	acgcccactc	cangcctaac	ctntaggagg	actggcngtt	60
tntgctatgg	cctctggnan	ccatganctg	ccatgaaaaa	ngncaaacta	ctctgctgga	120
gacaccacc	tggagaagcc	ntggnattcc	atgganaggc	agacggaccc	agctgagctc	180
agtgttccag	ccatccccac	gaaagcacca	ggaacctgag	tgaaccatc	tcgatcctcc	240
agcatagcac	aatcacncgc	tgaagatnac	tgagtgactc	tagnccgnag	ctccatggat	300
cactgaagga	tcaccntnt	gaaccctgcn	caaatttctg	actcacaaaa	ctgtnganca	360
tacaatgggt	ggtgggttagg	gggcagtttg	gtatnctntt	ncaattaatt	tgccggaaga	420
gnccccaann	aaaaaaataa	ggggggcccg	gcaagggc			458

<210> 352
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 352						
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tggctccttc	agggcctgac	aggggtggta	acccacagga	aacatcaggg	cagcctgggc	120
aagacaaagg	cagcttcact	ccacaactgt	ccagaatcaa	ggatccgggc	cgggcgtggg	180
ggctcacgcc	tgtaatccca	gcacttttga	aggccgaggc	aggcagatca	cgagatcggg	240
acaccgagac	tatcctgggt	aacacgggtga	aaccccgctc	ctact		285

<210> 353
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 353
gtggaaatgc atttccaaaa ccaccagctg gctagaactt tactggacct aaacatgaaa 60
gtgcagcaat tgaaaaagga gtatgaactg gaaattacat cagactccca aagcccaaaa 120
gatgatgctg cgaatccgga ataaagaaat gcacacgcaa gggctgggcg cgggtggctca 180
cgctgtaat ccagcactt tgggagggcg aggcgggcg atcaagacgt caggagattg 240
agaccatcct ggctaact gtggaaaccc tgcctctact aaaaaatata aaaaattaag 300
ccagacgtgg tggcaggcac ctgtagtccc tgctactcag ggagtcttga gggcagggag 360
aaatggcggtg gaaccccngg gagggcngga gcttgacgtg agcccgaat cgtggccact 420
ggtactccaa gccttggggc caacaaga 448

<210> 354
<211> 360
<212> DNA
<213> Homo sapiens

<400> 354
ctacaacagg gtgcctggcn cnaggagata ctcantaaaa ctctcatctg ctgtgtcatt 60
aaggggaaca cttaatggct cagcctgtga atcccagcac tttgggaggc cgaggcggan 120
ggatcacctg agcccaggag ttggagacca ncctgggcaa canattgaga ccctgtctca 180
acangagaag aagaagaaga aaaaggccag gcgccgtggc taatgtctgt aatcccagca 240
ctttgggagg ccaagaaggg agaactgctt gagggcagga gttcgagacc agcctgggtca 300
acatagcgag acaccccccc catctcaaaa ataaataaat caaaataaaa aataaagagg 360

<210> 355
<211> 387
<212> DNA
<213> Homo sapiens

<400> 355
ttcttcgtng actctggaat ggagctggaa gctgtcatcc tcagcacact aacgcaggaa 60
cagaaaacca agcactgcat gttcccactt ataagtgaaga gctgaacgag cagaacacat 120
ggacatatga aggggaacaa cacactctgg ggcctgtgag gtgcagggag agcatcaaga 180
agaacagcta atgggtgctg ggcttaatac ctgggtgatg ggttgatctg tgcggcaaac 240
caccatggca cacatttacc tatgtaacaa accttgacat cctgcacatg taccctggaa 300
cttaaaaaata aaagttgaca aaaagaaaac ataaaaaaag ggccaggggg gccaatnct 360
ttgnacttaa cctggctgaa cttgttc 387

<210> 356
<211> 418
<212> DNA
<213> Homo sapiens

<400> 356
gacgggnact ctctgngatg ccatnccagn nntnacntgc tacnggctgg ctacctnatc 60
tgtggagctc cagagaccan gaangataac nctcattgnc atagctactt gtcagcgcat 120
aagaaaagtga ncacacaggt ggtaccaang accttcctt tctggttcca agataatggc 180
nggcaccnaa ggnctattcc tctaccctac tggnttatca ctgggctgaa gaancccaag 240
tagtgaatta ccactagga ccctggaaga ggaagtacaa cggttatcct cagttttccc 300
tggaatnngg aatgagctcc tgggttactg aaagtctact ttggtgcctt gaatttaacc 360
caatcccata tgtgataatt attttagcat atttgataat aaaagaattt aagaaggg 418

<210> 357
<211> 363
<212> DNA
<213> Homo sapiens

<400> 357
gtcaagctgg tctctggtgt ccatggggac acttcaggag aaaccgatta acattgagat 60
gtgtggaaac aggatcaata attttcagta actgaggaag attaccagaa gccaaaggcgg 120
cctttaacag agactgtgca gctctgagcc caggactgtt aagcacttgg caggcaatgg 180
agaaaagtcta attgtggctg acgatgagtc attttacact attgtcacac ctcttttacc 240
cacattccat ttttaggaaca gtataacttt cccagccaga aattgtctaa tttaaaccct 300

gactcttacc tgtgtgaatc aaaatgactc anaaagtgca aataaaataa ccctgaggag 360
tcc 363

<210> 358
<211> 332
<212> DNA
<213> Homo sapiens

<400> 358
gttccaggag ttgcagaaat gccaccagga tctgcagaac acattgcaag acaaggagag 60
ctgggaggac tcagaccctg acctcatcca aaagtgaaaa accaatcctg ccaaagtgaa 120
tgtattttct ctccccaag gcagacttga gaccccccagc ttcagggtgg cttctgcctg 180
acttccagag ctccagccag tgctttttgt ctgaaacctc catgtccagg acccttgggc 240
ggagaagaat ctgctggaca ctgcttgggg ctggaccctg agagcgctca catttgacac 300
cccagaaagc aaataaaaca gttgaaatat gt 332

<210> 359
<211> 394
<212> DNA
<213> Homo sapiens

<400> 359
tcacagcctg ggctcatcac gaaaggcagc cagcacttca acggactcac tgcctctacc 60
tttctccttg cttggatgaa gaatctgaat ctagaagccc accaaattca tctaacagta 120
gtgcaagcag atattgcttt ggaaaaatc tcagcagaga acactcctgg gatgtatttc 180
atcagtctga tacttccaac tctgccaggg aacaagctca ccaaaggctt ctcatcaaac 240
agctctgccc taaacaccct ggggggattcc ccaacagtgt cttgcggggc taatgacact 300
catgttcctt ctcatgctta cctttctttg cctgacgtga gtgcaaaaac ctatcttaag 360
caagataatt gtaaaaatac caaaattaaa tgat 394

<210> 360
<211> 373
<212> DNA
<213> Homo sapiens

<400> 360
ctgattcctc ctctctccat actcccaagg cacctgaggt ctggctcttc aggctgtgtg 60
acgacaggga ctttaagag gcaatgaagg taaaatgagg tcatcaggat ggactccgat 120
ataaccggtg tctttacaag aagagaagac aggacacgca cacaaagcaa gggtcagcca 180
tgtgaggaca gtgagaaggc ggccgctcgac acgccaagga gagaggcctg ggaagaaacc 240
aaccttacac cttgacatca gacttctggt ctccaaaact gtaggaaaat aaatttctct 300
tgtttaagtc aaaaaaaaag gccagcgagg ccaattcagc ttggacttan ccangctgaa 360
cttgctcaaa agg 373

<210> 361
<211> 431
<212> DNA
<213> Homo sapiens

<400> 361
gaggggcaca cttttcaggc ctagccctcg gcctggatga aggtgtggct gagcatccct 60
gttcctggaa cttggcatca gcatcactga catcggaagc acacggaccc cctcccactt 120
cgacaagcat caaaccctc tcttctcctt gctctggcca ggtcagactg gagccaactg 180
tgctgcagct cctgtggaag ccttggcagg gaggtgaggg ggagcaccag ttacaagcaa 240
aggctccgag tgcaaagagc cttcgcttat gattcaggaa tctctgggca agttacctaa 300
ggtatctgag ccagcagttc gtcactctgt gaatggggag aatggcaaca cttctcataa 360
gggttgaagt aagggaataa aatgatataa tgngnattaa acccttaaaa aaagggtg 420
ctggcatata a 431

<210> 362
<211> 253
<212> DNA

<213> Homo sapiens

<400> 362

gtatttttca	gaccctgcat	tctgttggat	ctgctgatgc	cacccagact	gataaactgg	60
ttcatctgac	cttgtggccc	cccgacccag	gaactgaact	cagcacaaga	agacaggctt	120
caactccctg	tgatttcac	cacgacctaa	ccaatcagta	ctctccactc	cctagcccca	180
ctgctcccca	aattatcctt	taaattttgg	gggaggctgc	tttgaataat	gataaactcc	240
tgctccttctg	ctt					253

<210> 363

<211> 403

<212> DNA

<213> Homo sapiens

<400> 363

atcctgcctc	ccacagtcac	cctgctccca	agtgcacact	ctgtctgacc	ctgcatgggtg	60
tgcggtgccc	tcttgctca	gcctcccggg	tagctgggac	tgcgggcctg	cgccaccaca	120
cccggtctaat	tttttctatt	tttttttttt	tttttggggg	naaanggggt	ttaacnattt	180
nggcnnaggn	ggtntnnaac	tccnntntg	ggggccnacc	cgcntggggc	tccnaggggg	240
ntnaaattgn	aggggggggc	naaccnccct	ggcccaaan	aaattttttt	ttgggttaaaa	300
ntttttgggn	nnggattgcc	ccctaaaatg	ttccccaatt	gggncttatt	nttttaagg	360
aaagncccaa	agggnacttt	atttttagnn	taggaaaaaa	aac		403

<210> 364

<211> 132

<212> DNA

<213> Homo sapiens

<400> 364

gcatccaggt	atacacacaa	gctgcatcgt	gtcactgcaa	gcggctccca	gagttgttcc	60
tggtcatcca	ggaagaaaga	aaatcccggc	aaagattgag	agagatcaat	aaatgtattt	120
ccaaagaacc	tg					132

<210> 365

<211> 435

<212> DNA

<213> Homo sapiens

<400> 365

tagtaaaang	gggcctgctt	ccccgtcacc	ttccgccaca	atcggttaagt	ttcctggggc	60
ctccccagaa	gctgctatgc	ttcctataca	gtctgcagaa	ctgatgacat	ggcatgaagg	120
ccctcaacag	atggcagcac	ctttaataat	gaacttccca	gcatccagaa	ctatgagaaa	180
tcaattttatt	ttcttataaa	ctacacaatc	tgtggtattg	ttatggcagc	acaaaatcag	240
actaggacag	aagaattctc	caacgaaccc	attcaggact	ggtgctttct	gttttgaaaa	300
gttcatattt	ctttattttt	gnataaataa	taccattttc	aagttataat	gntcattata	360
atgncatata	cactagaaaa	tttaaaaaa	ctgccatact	gaggggtttta	aagaaaacaa	420
catggactag	cattt					435

<210> 366

<211> 330

<212> DNA

<213> Homo sapiens

<400> 366

gaagaatatc	naggagccct	taaaacactt	ngatnaacna	tacnagggtta	tgcganagna	60
ccctcatttt	ttanncaaga	ttgcaaagaa	aattcatttc	agttctacat	ttgggtgcaa	120
gcgttggttag	ttgcagataa	ataagataga	atccagctct	taagaaattc	aatctagtgg	180
aaaaaaacat	aaatattttg	agttaatttt	ttaggcgtca	ggcactgtgc	taagtactct	240
cattgggtgac	cttgattttt	accctcttaa	tctccatgtg	ctcccccttc	ccaaatacac	300
tccaagtaaa	tataaaatct	tagtgaaaac				330

<210> 367

<211> 351
<212> DNA
<213> Homo sapiens

<400> 367
gcttaatttt tcctgatcat gagagaagaa cacagatgta gctgaactaa ggagcaaaaa 60
cccggcatca atacctgcta cagcacagat gcagcatgaa aaattatgct aagtgaata 120
agccagtccc agcagacaac ttgcttttta tttcagaggc ttataggcaa atctatacaa 180
agaagggtggg tggttcccta gggctgaggg aggaaggga aactagtga gatggctaaa 240
tgatgtgggg gtttgttttt agggatgatga aaatgttcta aaattaattg taatgatgac 300
ggcataactc tcgaaaatac taaagttaat gaattctata ctttaaatga g 351

<210> 368
<211> 271
<212> DNA
<213> Homo sapiens

<400> 368
ctccagctgc atctgatgtc actgctatgg cagtgaagaa tgaaaaccaa aggacaactg 60
gctacttaag gaattaagcg gactaaaatg aaaaccattc acagaagcag ttccagtact 120
ctggctgaga ctctgttttc ctacatacag cccacattct gaataactc aaatctacgc 180
aatttcaaac ttagaaaact ttaactgctg cccactgaa gccattttca agctggaatc 240
atgtataata aactactcca tctatttcac c 271

<210> 369
<211> 303
<212> DNA
<213> Homo sapiens

<400> 369
ctccacctgc cgagttcacg ccattctcct gcttcagccc ctcgagtagc tgggactaca 60
ggcgcccgcc accacaccg gctaattttt ttgtattttt agtagagatg gggtttcacc 120
atgttagccg ggatggctct gatctcctga cctcgtgatc tgctgcctc ggccctcccaa 180
agtgtgggga ttacaggcgt gagccaccac gcccgccgc tcttttctta aatatctggt 240
ggaggcctca aaatcaaaat gtctaaaaca gaactcatca tcaataaagc cattcgtcca 300
ttt 303

<210> 370
<211> 185
<212> DNA
<213> Homo sapiens

<400> 370
tttgtattca agacagaaag gaacacctac ccaggagctc aatcacattg catgcacaga 60
caccgacaac cacacagacg tgtgaacaca tcccccaac gtgagcaacc gcagcataat 120
gggactcatc ccatccaaat acccatttca tctaaagtgt aaaaataata aaaagaactt 180
cttgg 185

<210> 371
<211> 294
<212> DNA
<213> Homo sapiens

<400> 371
gcaaaacatt ctctgcaatg tgggggtgagt ggcaatgaga acacctcaga agacactggg 60
tagctttttc aaactcttcc ctccacattg agattcagat ctgagaagta ctgggggaag 120
agggttgaga cttgtggatt ataaatcaaa aaaacctgag gttctgctgc agcccttctc 180
accaccacgc cgcacctccc taccttgaga atcgctttct gtctgttttg atgagaacac 240
tactttcgcc ccaataatc catcactactg ctattaaaag tcaagttcca aacc 294

<210> 372
<211> 512

<212> DNA
<213> Homo sapiens

<400> 372
aaaacctgtg gctggctctgg gtattgtcat ggctcctcat ctcttctgga agcacacaat 60
gagagacgga gtctcattct gtcgcccagg ctggagtga gtggcgtgat cctggctcgc 120
tgcaagctcc gcctcccggg ttacgccat tctcctgctt cagcctccc agtagatggg 180
actacaggcg cctaccatca cgcgccgcta attttttgta ttctgtttag taaagacggg 240
gtttcaccgt gttggccagg atggtctcga tctcctgacc ttcttgtgat ctgcccgcct 300
cggcctncca aggtgctggg attacaggca tgagccaccg cgcccagcca tatttttaaa 360
ttatctaag aatgtaatta gattgtttat aatttaaagg atgaatggtt gaggagatga 420
atacccatc ctccatgatg ngcttatttc ataantcatg cctgtatcaa aacatctcat 480
gtaccccata aatatataca caaaaacttt at 512

<210> 373
<211> 231
<212> DNA
<213> Homo sapiens

<400> 373
aganggtntc tnacgatgnt gcccacactg gccttgaact cttgggctca ancgancctc 60
cngcctnngc ctccaagta cncatagacta naggnaang ncgctgntna ntgatgcact 120
tttaatccca atttttagga gctctgtgna atgtnttcaa gcattttcca ttttttaatg 180
atttaagtat ttgagcactt tgagctaatt aaatttgaaa ttgtttaaaa t 231

<210> 374
<211> 262
<212> DNA
<213> Homo sapiens

<400> 374
accaagactg aaattggcct gcagatcaaa gaccatggca aaaaattcct gacattggaa 60
actgccttcc aaaacatccc tgtgcctcat ccctttctac acattccata taaagagatt 120
gtttcatttt ccacctggca acgcttaaatt tgttttattt ttcttcatta aaaccaccac 180
gcctcttcat tcaaaaaaaa aaaggnacgn gnggccaaat cagctnggac ttaaccaggc 240
ngaacttgnt caaaaggggg gg 262

<210> 375
<211> 638
<212> DNA
<213> Homo sapiens

<400> 375
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gggtattcga ataaagcttt tgaatgaagc ccgccacaat ggggaatcgg gccatttga 120
aacaagaat gggaattggc acgccaaggg ttcttcccgg ccgggctttg ggggtgggaag 180
aaggcttatt ccggcttatt gactgggggc acaacaagac aaatcgggct tgctcttgaa 240
tgcccgcccg tggttccggg ctgttcaaag ccgcaagggg ggccgccccg gttctttttt 300
gtcaagaac cggaccttg tcccgggtgg ccctgaaatg aaactggcag ggaccgaagg 360
gcagccgccc ggctatccgt ggggcttggg ccaccgnac ggggcccgtt cctttgcgca 420
agcttgtggc ctcgacgttt gtccacttgg aagccgggga aaaggggact tggcttgctt 480
attttggggc cgaaagtngc cccggggcca agggatcttc cttgggcatt ttnaaccttt 540
ggttcttngc cgagaaaaag gaatncccat tatngggntt gaaggccaaa tgggcggggg 600
ggttgggana accccttttg aanccgggtt tacccttg 638

<210> 376
<211> 432
<212> DNA
<213> Homo sapiens

<400> 376
gaggaagaga agggcagggg gcaagagtaa aggcctttgga gctcagcaag actggggtga 60

atctcagcct	cattgtttac	ttgatgtgta	aaagcagggc	ctcactctgt	cacccaggct	120
ggagtgaagt	ggtatgatca	cggctccctg	taaccttgaa	ctgcttgggc	tcaagcagtc	180
ctcctgcctc	agcctcccaa	gtagctagga	ccacagcaac	tgaagcctcc	tgccaacagc	240
catgtaagta	agccatcttg	ggagcaaaac	tatctgggtc	tcttcagacc	ttcagatgac	300
tgcagcctca	gactgacatc	taactgcaac	ctcatgagag	accctgagag	ccaaatctac	360
ctttctgagc	aactatcaaa	cttctgaccc	acggaaactg	tgagataata	aatatttttt	420
gtttaaacca	tg					432

<210> 377
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 377						
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gcaacaacgg	ctaagatgag	gaaaaccaag	acacagaaaag	aaaaccattt	tgcataactg	120
acgaacctgg	atgagttcat	caccaaactc	caagaaccct	ccgctaggtc	tctgcctagt	180
gtccatgaac	cagcagcacc	ctcattacct	gggagctgaa	cagaaatgca	gaatcctgca	240
cccaccccag	acctaactca	tcacactccg	tttcaacaag	atctccaggt	catacgtacg	300
tacagtacag	tttggaagc	attgctctag	gacagaaaga	gtttctcaaa	attattagat	360
gaatgatctt	attagaccca	tgctctaaat	aatgttaaag	ataatttttg		410

<210> 378
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 378						
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anaaaaaaga	tncaaaatac	attccgagga	gcanatcttt	ctgtggtaac	actgcattcc	120
anatgtgcga	aaaagacagg	gaaanacatg	aactgcanta	cattacggct	aaagggaggn	180
ngcttattaa	cttcc					195

<210> 379
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 379						
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atatgagtca	atccatcaga	cagactgggtg	gcagncaccc	agccttcaca	gctaccaccc	120
ccatgctggc	aaatgtcaca	tttgggaattc	atttgcatag	ctgggtagca	ctccctgcgg	180
agttacattg	aacaattttg	cagctgtgac	agcttgaat	agaaaagcta	atgcaactat	240
c						241

<210> 380
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 380						
ccntcttctt	acaaatganc	ngacncagat	gcgangannc	ncaacgtcca	catnnttgaa	60
gcaaagttac	ttgtggataa	acaaagcatt	angaaatgga	ctctcatntc	tctcaaaaag	120
tatcaaagaa	gtgaaattca	tcagaccact	gtgtcnagac	aatgagacgc	cnnatgccag	180
attccttant	tgncatgatt	gcttccttan	ccctccctag	ttcctgtttt	cctgctcata	240
agttacattt	cttccttgct	atataatccc	ctaatttcgg	ctggttgagg	agatggnatc	300
caaactgatn	tcccatatcc	ttagctgtag	catgcaatta	aagccttctt	ccttggc	357

<210> 381
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 381
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 gcaaatattc agctatggca ttaaagatcc tttcaagaac ccttttgaat ggcttctcta 120
 ggtgacacag caaatggatt cctaagtatg catccattct cccgggtaaa ccacgagtct 180
 caaaaagtag gcagcaggct ggacccgggtg gcacacgcat ggaatcccag cgctttggga 240
 ggccggggca ggaagttgct tgaggccagg agtgcaaaac caacatggcg agactctgtc 300
 tgtataagaa ataaaataaa ttatccagg 329

<210> 382
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 382
 atgtggacaa cgaacaaaga caatagagca gaagtgttgg caacacttca gtatgagcag 60
 actggtggac agtgagagat tacagaagaa cacagctctg ggccagcagt gctgctgtcg 120
 aggtgatccc agcaggcagt gccacccacc aggaatcata aactgcacaa ggccagaggt 180
 gagtccttct gtaaatacat agccctagct ccaagcattt aattgtcaca aaaacaacaa 240
 aaaatactcc tattaacagt gcaatttctc ttccaagggt ctacatcgag agaaagaata 300
 ttaggatgct aatattgcat tgggtcattg gagcttaatg tttagaaata ataaactaaa 360
 ctgttttgtg gtctgaccaa aaaaaaaaaag gccagnngg ccaattcagn ttggacttaa 420
 ccaggctgaa cttgcttaaa agg 443

<210> 383
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 383
 gccttcatta tctcacttca caagaagtca ggtgccaaagc agatccaagc tcattcagag 60
 gctgcaccat gtcaactggg acccaggttt catccatggt tctgctctgt cattatgtca 120
 tactccaagg gagtcgccag atgactgctg cagctgaggc ttttctttca cagcatctaa 180
 cagaggctgg ggagaggctc catgaagcac gtggtttcct aataccagaa gaaaattcaa 240
 gccttttaac atggcagtc acagtggtag gaggcggaaa gagactttgg gtattcaaaa 300
 atgggttatc accttctact tctttggctg catgatactc agagatacca ttcattgtcta 360
 tatctaaatg acactcattt ttttcccttc taaaatggag cacctggctc caaagttctt 420
 ggacatctgg gtgatgcagt ggtttcttca tttatccctt 460

<210> 384
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 384
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 tgtagcagct cacaatataa tggggaatgg ttccctgccg gcgaacatgc tgtgtttcgt 120
 tcaatcatte aaaacatttg agtgtccact gtgtgccaga cgtgctgggc cctctgctgt 180
 gcacatcate ctcttgggtg tgatgtcctc tcgaggctca gttcagatgc tacttctctg 240
 cttggctttt ccagactgca tgataccag gctgcctggc tgggtcttcc catgtattcc 300
 acccctgacc tgtactggcc ctggttgccaa ctatttatca aattatgtga ttaatatctg 360
 ggtattttct tacactggac ctcaactcata agggcaggag ctctgtcccc ttcacacacg 420
 atcctt 426

<210> 385
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 385
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 aggcagcaca ggaggctgat gccatccagg aggagatgaa tgagaagatc gagcggctca 120
 aggccgagct ggtggtgttt aaggggctta tgagtgacct catgacagac ctggacacaa 180

aaaaaaaaag gncnnngngg ncaattnagc ttggacttaa ccaggntgaa cttnttcaaa 240
 aggggggggaa 250

<210> 386
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 386
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 gntcagaann ccccaggagt aaaatgcagc ctgtattacc cttcctggag tgtatcctac 120
 ttggagtctt cttgttcttg gaggcaataa atttctttgt tattt 165

<210> 387
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 387
 ctctgcgtt tctgcagagc tcctgcatta nntcaganct gcnatggnat ctggnctgan 60
 tngtgtctct ccaaattcat atgttgaata cttaacctgc catgcgattg tnattggana 120
 taattccttt aggggaagcaa tgaagggttaa atgagggtcat aggtggggagc ttaatccaat 180
 gggactgggg tccctacaag aagaggaaga caccagagct ctctgtctcc acacacagag 240
 aaaagaggct gtatgaggac acaagagaag gtaatagctg tctacaaacc aagaagagaa 300
 gcctctccag aaaatgaacc ctgctggaac ttggtcttgg actttccagc ctccanaact 360
 gggagaaaat aaagttcaaa ataaagttct gttgtgt 397

<210> 388
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 388
 gcgtttccac actgtcttac tgtccggaag gagcaaacac ggtggaaagg gacagaagag 60
 ccagaattcc gtctagtttg atcactgatt tgctgggtga cctgggtgc ttcacttcgc 120
 ctcagtctct ttatctgtaa tatgagaatg cgcagatttg cctcctaagt gtgatgtgag 180
 aattagggtga gagttggcag gcactaaana aaaaagcatg cattaatcct tt 232

<210> 389
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 389
 gtaaggaaac atgaacctgg agagataaag tgacttctcc caagattaag tggctctctaa 60
 aaggcagtgc caggactcag acttctgact tgaaatcaga gtttcttttc atcatcacat 120
 ccttcctttc taatctgttg ttaataaaac tcttggtttt ctaggtc 167

<210> 390
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 390
 gtcaccagtg gctaagcaag acccacagga tgctgccaac aggtctgaag gcttgggtaca 60
 cagtagggag aaaacagaga aggtgaaagg aagatgggca aaaagaagag tgtaagaga 120
 gaaagaagaa gtatttgaga tcctgccact gcactccagt ctgggcaaca gaacaagatg 180
 ctgccag 187

<210> 391
 <211> 282
 <212> DNA

<213> Homo sapiens

<400> 391

gtttaaggag	gcacaaatcc	aggtgttccc	acattaccaa	attactactc	tgtagtttga	60
aaggaatgac	aatgacatcc	tgtttctggt	catggcta	ttagtataca	ctgcacctgt	120
aaaactccag	gccatcaaca	tttcagggaag	gctatgta	caaagtgggtg	acacttacta	180
ctgagaatta	ttggtgactt	ccagagtaca	gcacaagccc	tctctccacc	tgactttcaa	240
ttacaacaga	gggtcagaag	agtccaataa	aggcagaacc	tg		282

<210> 392

<211> 146

<212> DNA

<213> Homo sapiens

<400> 392

caacatggag	acaatgtttt	cctgcattct	tcattccaga	agctgatgga	ggaaaggccc	60
tatgagctgt	gggctggctc	tataggcccc	actgtacttt	aggggaattcc	agtagcaaag	120
gaataaaatc	attttagtca	ctatgc				146

<210> 393

<211> 190

<212> DNA

<213> Homo sapiens

<400> 393

tgtcaaggtc	aaggtgttga	acgtctttcg	agtcacgagt	aaccagttat	attggctatt	60
tcagaatgct	ttacagccaa	aaagtccttg	aacgaaggaa	gaagtccact	aagtctcatc	120
agcaagggtc	cagctcctct	tcactctgcat	gttttgaaca	ataaaaatga	ctaccacttt	180
ctgagaacct						190

<210> 394

<211> 303

<212> DNA

<213> Homo sapiens

<400> 394

atggaaatca	gcttccagt	tgaaccactc	tatggacaga	ctcaa	aatgga	aaagaactga	60
tggagaccct	cagctcagca	ctggcaagga	attgacatcc	tcagttcaaa	aacctgtgaa		120
gagctggatc	ctgccaacaa	ccacgtgact	gagcttggaa	gaaaatcctt	cctcaa	aatga	180
accttaagat	acctgaaacc	ccagtggaa	ccttgattgc	ttaattgtaa	gagactatga		240
gcaggaatat	ccaacctaa	tgaaaacaca	ggaactgtaa	gataataaat	gtgtgtttta		300
agt							303

<210> 395

<211> 117

<212> DNA

<213> Homo sapiens

<400> 395

gtggctgtga	tcttgaaggc	aaagacttgg	ctttatagca	cccagcctat	cagccatcag	60
tcaaaaaaat	ggaccaagt	ttgagtcaat	taacttttct	taaattctct	tgaccag	117

<210> 396

<211> 244

<212> DNA

<213> Homo sapiens

<400> 396

gcagagaaca	catcatcccc	ctggaacgtg	agtcattt	gtg	gaaatgcttg	ttttaaattc	60
aaacttcttc	acaacctgac	gagtgtgtgg	gagacccaag	gaagctgaca	tacaagggca		120
gatttatttt	tctgccagaa	ggaaccatca	acacaaaggc	caatggtaac	cctaaaaatg		180
gaaatgtgct	aacccttttt	attgtcaagc	aaataaaaaa	attattcttc	aaaggaggag		240

aaac

244

<210> 397
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 397
 taaanttgaa agtagctgat atgggaccac agaattattgg ccaatcagtg ttttacataa 60
 tgtctgtgga gtggccatgt gctctagaag agtgagacaa ccttggcata accttcttta 120
 agagccaatc acataacact gtgaatatatt ataaaatttt agaccatt 168

<210> 398
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 398
 gcgtctgggg agctcctgcg attntgngga gctnctgcan naaggctnan tgnaanatnt 60
 ntgctgnant attngnnatc nactatgacc atctccaggt ttctacattg gaatccaact 120
 tcacaagaat nacttgacc cactatactg gaggaactt ccctgcatgg ctagecctggg 180
 atgctgtggg tcacaagccc ctccctagaa gttctcctga gtatctaaact gcagtcacctc 240
 aactgnaac ttcttccacg ctgctgcttt gtagtctctc ttttaacctt acacatcaag 300
 aagtccttct gagtatccct gcaatgtang atgaagcaat ccactaccca ctctgctact 360
 gctctgctca gaaccagcac cctccctcac cccactccc atccatgcca agaattgctgc 420
 acttcttccc cgtgagccag ggtagcccg aggagagggg cacaagcaca gggcctc 477

<210> 399
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 399
 atgaaatctc agtacagacg cacttttttg ttaaatacac tancaaggna gttagtgtat 60
 tttgcnnaga aaatgcnana tgnttggaat atcttcaaca ttctcanatg tgggctctaa 120
 atccaacaat aattatcctt ataagagaca gaagaggcac nnatacnaaa gagaaggcca 180
 cgtgaaggga gtgtggccct gctgacatct tgatttcgga ctttanccct tnggaactta 240
 nataaacctc tgtaagctac c 261

<210> 400
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 400
 atgaggaaac taaggctcag aaagatgctt tgcccaacat cagctcatca gtactgttaa 60
 cttgatgttc tactcttgga agctttcact tggtagcacc atgaaactga agaataaata 120
 caagttagtg catttatatt 139

<210> 401
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 401
 actcatttgt tctagattca gatcattcaa caaaacatgg catgatttcc acagtctctg 60
 acattctgat tgcattgctt gagaaaattc tcagtctggg aatctcctta aaatgcagca 120
 cagatgatgg ctgaatagga acagctccgg tctgcagctc ccagcgagat caacgcagaa 180
 ggcgggtgat ttctgcattt ccaactgaga acaacgaaga aaaaatttct tttaaagaaa 240
 ggccaaagaa ttattataga tcttttcttt cgacattcct aaacaagaac aggcctagat 300
 ggtgtcattt tcaattcttg tcctaactgg tcagtacca aaacctctaa aaattcacia 360
 agaagctcat gaggaggtcc gaggtgcga aaaggcattt ggtctctggc ccaag 415

<210> 402
<211> 360
<212> DNA
<213> Homo sapiens

<400> 402
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gccgggcaaa accccatgcc tgaggacttc tctgggcttt gctactacca aacctttaat 240
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agattcctca tcttcaaata tttattattt ccttcttctg gtattagcaa atttggcttt 360

<210> 403
<211> 433
<212> DNA
<213> Homo sapiens

<400> 403
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gtgtcttttg ttaactcataa taagccccct tcaaccatac ttgagtttat tctaanaggc 420
ctagttgacc tct 433

<210> 404
<211> 385
<212> DNA
<213> Homo sapiens

<400> 404
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taatagtctc aaatgcatgt caaaatgaat gaaagatctg cagcacacaa ggctatgcct 120
atgtactgga ccagaggcag aatatatatg tagcagtttc caagagccta tcaaggacgt 180
cagggactcg ctgacacttc ttcccaaaacc agcagnctgg gaaccatgga tatccatcaa 240
gaaggggaaa ggtagcactt aaaaccccaa catttaaatc ttaanagcac tgggaagtgg 300
gacagatncc nccaccttt ttttcaaagg aacggaaggg cctaccttca gccaaaacaa 360
ngtaaggttt tttggttttg aaaat 385

<210> 405
<211> 416
<212> DNA
<213> Homo sapiens

<400> 405
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acacaaggct tccagaatct ccaccgtggc acagaatgag agctggggag tcctgcaagg 180
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taactgggaa ggaaaggcga gtacacatgg atgagcgcta gaagtctcta ccatagcagc 360
tgacaaaaca acggtggagg agcattccag gcagaaggaa cggaaaagggt gaagac 416

<210> 406
<211> 256
<212> DNA
<213> Homo sapiens

<400> 406

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gaagatcatt	gttctcagag	aagttcttca	tgttatggat	ccgtgactcc	ttaatacatt	120
ttcctacttt	tgaagaaatt	gaactgaatt	tattctattt	atataacagg	aaagatgcca	180
aactgtggat	ctgcttattc	aaagtgactg	aattttgtca	ggctattttat	caacaaataa	240
agtatttgta	attatg					256

<210> 407
 <211> 558
 <212> DNA
 <213> Homo sapiens

<400> 407						
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nacattttca	aanggggcat	ntnaaaaaat	tcncgngngg	accccccancn	cncncagtn	120
tntccccccc	ccaaaggggc	aanccaccng	tacccaanac	cnttggcact	tttggctctt	180
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ggggcattat	accccnacc	atnggatgaa	tttacttcan	ccntttaaag	aagggaaatg	420
gaggggccct	tgctacattt	cttttcaaca	tnggatnggg	attaaacct	tggaaaacct	480
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ttnccagaac	aagggccca					558

<210> 408
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 408						
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tcttcaggga	tatagaaaat	gtaccctcct	catcctgaca	aaattttgca	gatctctgga	120
gggctataca	agaagaaatt	tcagagaaac	cctaaacaaa	ctccacagct	ctttgcaatg	180
ccaggaagaa	tttttaccat	tatataaatg	ttaggtttta	tttaatcatt	cacataatgc	240
ctactgatgc	attctcttgc	atagcatgtg	atgtgaaatt	tgtgatttgc	cactattgta	300
ttaaaaata	agcattaatt	acacactaaa	attaagccat	ttgaatcttg	gaggaggcaa	360
aagccaaaga	aaatgtgcag	ctggtcagga	agtaaatacca	gggtggagaa	atttttgtc	419

<210> 409
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 409						
actttgagct	tcnanancact	gggatgctgc	aaaagccctg	ctcattaaat	cggaccggct	60
agacatggaa	cangcctgca	gaactttgga	gagtatgggt	tggactattc	ctgcactcag	120
cgatacgga	caagcacaga	atgcaataat	atttaagttt	gttcaaaaag	ccaaatgctt	180
ttgcaaaata	ctcttttttta	tttaatagga	aatagagatt	gcttatggaa	gagtgggatg	240
ggaacctgtg	gaaagacatc	ttaaatccaa	cccctggcag	tctgacatan	ggctgntgnc	300
aaatcccat	agnccactc	ccaatcacaa	tgcttcttag	atcccctaac	ccaccgcanc	360
ctaaggccta	caaagacagc	tcaatggctg	ggcncggngg	nttacgcctg	taatcccaca	420
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<210> 410
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 410						
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tgnatgtgaa	accagagatg	cccgcacaacc	tggaaatagag	aggaagagag	caggcagatt	120
tgnacctatc	tgctttcaag	ctggtcatca	tgatgaaact	tagacac		167

<210> 411
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 411
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 tttcctaacc gatcctttgc aagaaaagtt caccactcc tgtagtcagc agctccccta 120
 ctgtgcgcag tcagtgtgcc atctcagact agcaaagatt tgtgcttgga tcatctacac 180
 ttccctgaat gctgaagaag atatgctatc catgcaatcc ttgtcgactg cttgattaaa 240
 aagtggataa actgt 255

<210> 412
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 412
 angtacagta caaaatgata tacaactatt gaggggacca actgaaatca tttgtcaatc 60
 ctctttgcaa atgaacttgt gcaatgtatt aaaacatttt taaaagttca t 111

<210> 413
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 413
 ganntgntnt tgcattacct canaagctag tcacaggaga acaatgattt gctctggcaa 60
 ggcggaagaca gtaccaagtc attgcntnat ctncactcac attcngagtt cctgagcagc 120
 tgctctggag gtggattaaa ataaccatc atttcagttt ttataaccca ttcagcattt 180
 aggaataaca tggatggttg aacccatgga tacagagggc caactgcaca tacnatgaat 240
 gcttgaagtg cactgatctt cagtgaacag ctactgact ctttacaggt ctcaaactcg 300
 tgagctcaag cgatccgcca cctcagactc caaagtgtcg aaattatagg catgagccac 360
 catgcctggt cagcattggg gaggtttcaag aactattcca gcaaaggagg ggaacttcac 420
 caccgctgca tgtctacctt ggaaagtcac gcagcattgc ttctgctggg ttctctttgn 480
 taaaaatatt gaaaatttgc tacctgcacc tgctgtgttc ccaccctctg gagacctggg 540
 aacctggctg cacctgggaa g 561

<210> 414
 <211> 569
 <212> DNA
 <213> Homo sapiens

<400> 414
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 ggacatggcc atgggggcca ggactggggg gcctgcccag gagctggagc catgggggtcc 180
 ccagaagtag aggcctagag gcagcaccgg taccactgc acctcagggc tgctcgggtga 240
 ccgctctcag ggcagccctg ggctgttctc aagatcaact tcaccctcag gagactaagt 300
 tatgcccagc tgaggatgtt cacaaggaca cactgcaggc cctagaggca ataccctgg 360
 agaggctcca ggcccacgga ggacgtggcg gccggtgagc aatccaaggc cctggggccca 420
 aggtggactg gggtttgccc ttccacctgg gacattccaa gttcacgttt tctcangtct 480
 catttaacaa ggaaaaaata gtacacacaa gcactcacgt ccacaaacaa cttcttttct 540
 tctnaaaaa nggaaaacca cctggggcca 569

<210> 415
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 415
 cctatctgtg nngtgtgntn natgcactgg ggccaancac ttnttcggat gctgntacaa 60

caataatgaa	gttaccatat	tgctccagac	aagagatgct	catggcctca	tggcctgaat	120
taagcagttg	caactgaaat	antaaaaagt	ggccatgggt	gagatacatt	ttaaagatcg	180
aatctacaga	atataacana	ggattagggtg	ctgtangaaa	tgagaaaaga	ctgatggcca	240
gttttggtt	cagcagtggtc	tataatcatt	gtgctacttc	ttgggggaag	attggttagag	300
atatgggata	ggaggggaaa	tcaaagaagt	tnccatttta	aaccccgta	aagtttgaga	360
caccaataag	atatacaagt	tccaaagggtc	aattaccagt	tttggatatg	tgaattcaaa	420
aaagtatgag	ctg					433

<210> 416
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 416						
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tccacccaac	agcaagttct	gcacacccct	atgattgctt	ccccaacgaa	tcagcagcag	120
ttattcccta	gccccctgcc	catcaaattg	tccagaaaaa	ccctaagccc	caagccttca	180
gggagactga	tttgagtagt	aactccatct	cccgcattggc	atagctggac	ttggattaat	240
taaactcttt	ctttattgtc	gtgcc				265

<210> 417
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 417						
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cctcctcctt	gtccccacgt	caagagagag	cagcgggacg	agtggaccct	tnggaatcct	120
acctggggct	tcccttccag	gtggaaggga	agtaggagcc	aagatgcana	ctccctgacc	180
gcaggcgctg	ggccagccac	aatgccatct	tgccccctacc	ctggtttatg	attgttttct	240
acctttgggc	ccttggccag	agaattccct	ctgcctccaa	tgtacgccat	cccctccttt	300
cctttctgcc	tgggacactc	ctgcctatgt	gcattggcca	ggctctggcct	gctgccatta	360
ctatgtggcc	atgagctaag	aatgggttta	tgttttttaa	tggctggaaa	aaacatcaaa	420
ggaagaattc	tattttgggc	atgtgaaaat	tatctgaaat	tcaaatatca	agtatccaca	480
aataaaatta	aattggaaca	t				501

<210> 418
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 418						
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ctctggaatc	aaatcattat	gccgaggcat	ccaggctgag	ggtaaccacg	gatgaaatgt	120
ttcccaagat	cactgggacc	ttcctaccca	catgagggtc	tcaactgaga	ctggctttct	180
ccagaccaga	cttggagggt	gatgctatct	tcacaagtgt	gcaaaaagtca	ataagagttt	240
tgtgtaactt	tgctcaggat	actttgaaaa	attgtttaat	ttttttatttc	tggttatgca	300
tattttcaac	tattaaaacc	atgc				324

<210> 419
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 419						
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caggcctgga	gcctgaatcc	tctgagacac	atcgctccctg	aaattgaaag	attggcactt	180
caccacacac	tgagacggga	aacatcatct	cttcctagga	ggacctgtgt	gaccccgctt	240
gcatgaaagg	tttgetcact	cggctctgcag	tggcaggccc	acactcggca	ttccccggag	300
tcctccagtg	cctgcgtgca	ctttctcttc	ttggttggag	gcaatgaggc	tctaaaaatca	360
aagacaccaa	aacgaaggnt	aggattcttc	cttgngtcca	tgntatgtta	aataaaaaatt	420

aatcttccaa gcc

433

<210> 420
<211> 449
<212> DNA
<213> Homo sapiens

<400> 420
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ccaacctcca aagcacggn ggagagcagn ggngcaatct cggctcaatg caacctccgt 120
ctctccctgg ttcaagtgat tctcctgcct cagcctnccg agaagctggg ntaacagcgc 180
ccccntttta cagatgatac cattgaggct natcanttaa atnncctggc naaggccaca 240
ctgtggaact gggattccaa tcaggtctaa ctccaatgca atactccttc cattatactt 300
tctttaacct gccatactaa catagcacat agcctgcgac agtttaaaaa aaaaaatcct 360
ggccccctta aaataagtga ttcattattt ttttaaatta taaactgcta ctgccaaata 420
gaaaagtaaa gtcgtttcat taaaaatgg 449

<210> 421
<211> 308
<212> DNA
<213> Homo sapiens

<400> 421
atattgaact gaaaccacca ttgagtcaat tcctgtggag cctctgcctg aaaatgagat 60
aaaagtcaag atgttgaaaa cgaaatttta aagggccttg tcgaagtcac cggcagtga 120
gaatgagatg ttaaaatcag atgtgatatg catggggaca ggagccattc aaaggccggt 180
ttcatcactg aacagctaga cctccgttct ggttgggcaa cctcaggagc tgatggatac 240
aggttggaac caagcccagg ggtcctccgg aagaatctaa aacaggcaaa ataaaatgtc 300
ttccaaac 308

<210> 422
<211> 327
<212> DNA
<213> Homo sapiens

<400> 422
tcttccttat aggataatgg gagtttaaag atgatcagaa gacagttggg agcagagtga 60
gaataagaac cctcaactgc tgtctcacct ttcagatcac gaagaaagt ttttacaatg 120
agcagaacac tcaacctgaa agcagaatgg attgagtcac tgcagccgtg gcagtggaat 180
ggtgtttgat gttggcaaa gaaacatgta cttctagact ggacagtttt cccttagttt 240
acagtttcca aatagagaca tcactttgaa ataacatgga gaacatacat ggatgtactg 300
aacgaagaat aaagtctgtg ttgcaag 327

<210> 423
<211> 284
<212> DNA
<213> Homo sapiens

<400> 423
cagaggaaga ggagcgactg aagaagaaag aggggtggagg tgaagatgtg gagctcatat 60
tgaatctttg gaaaagtga aatggctttt agtatccagt aagaagagta aatagaagaa 120
ttttagccac aaatggaaaa gaaaacgtct ctctctcagc tcaaagagac aagctcttgt 180
cagttcctgt aaaatttaaat gctggtgggc ctggaagcac atttctcaga caccctagca 240
aataggaatg accaagtaat attattttgc caataaaaaat atgc 284

<210> 424
<211> 464
<212> DNA
<213> Homo sapiens

<400> 424
gtatattacg ttcttatatg aatgacagac nanacatgga atttgaagga aaggaagatg 60

accgttaagg	tggtanggcc	tttganccca	agctaagcca	tcatatcccc	tgtgatcttg	120
cacctacaca	tncagaatgg	cctgaagtaa	ggtgaagatc	cacanaagaa	gtgaaaatag	180
ccttanctga	tggcattcca	ccattgtgat	ttgcttctgc	ctcaccctaa	ctgatcaatg	240
tactttgaaa	tctcccgcac	ccttaagaag	gttctttgtg	attctcccca	cccttgagaa	300
tgtactttgt	gagatccacc	ctctgcccgc	aaaacattgc	tcttaactcc	accgcctatc	360
ccaaaaacta	taagagctaa	tgataatccc	caccctttgc	tgactccttt	ttcggactca	420
gccacactgc	accegggtga	aataaacagc	cttgctggtc	acac		464

<210> 425
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 425						
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naaaaaganc	nngtaaggag	gancggagga	aggcntttta	ttgacagcct	tgcagggaact	120
gaatcctgtt	ggtgaccatg	tgagggagct	tggactccgg	tccccctgtg	ttgagccttc	180
agatgaattg	gcagncccca	gcttggtggc	atgactgtaa	cgtcctgaaa	caccttcagc	240
ccagaaaagca	ttcagctaaa	ccacacctgt	atttctgacc	caaagaaatt	gtgagataat	300
aaacatttct	tctctcg					317

<210> 426
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 426						
agaaagagaa	aatactccaa	atcagaagnt	aatggccncc	nngctttcnn	nnngcnttnn	60
cnntnanna	tngaaccacc	ntcttaaaant	tntgggagga	taaagcatca	ggttaaaaagc	120
tcacctggat	ttgcgtgcct	gagcagaaaag	acagaagagg	cctgggaccc	aactagcatc	180
atactactgc	ttcatcagcc	tagatgactg	cctaccttcc	tatctttctt	acaagacaaa	240
ataaactccg	tatttgttt					259

<210> 427
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 427						
ggaattgaac	agcttggact	tggagaccgg	tgnggggttaa	accnnaatta	gnagggcggn	60
ngaaaaggac	tnccanatng	aattgtgttg	gntattcata	tccccagca	cctcaaaatg	120
tggccatgga	ggatggagac	agagattgga	gtgatgcac	ttcaagccta	ggaacactaa	180
ggattgtctg	taatcaccag	aagctggaag	angcaagaaa	gtgtcctttc	tagagccttc	240
agagagagcg	cagccctgcc	aacaccttga	ttatatgctt	caagcttcta	gaattgtgag	300
agaataaatt	tctgttggtt	taagccnaaa	aaaaaaaagg	cngncggggg	ccnttnagnt	360
gggactnanc	caggcngaac	ttnttcaaaa	gggggggggg	ccc		403

<210> 428
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 428						
gggttcagaa	aatgctaccc	caaagtactt	tgaactgaag	gtgattggga	gggcctaaga	60
agcaagaagg	tcactctgag	ttcctcctgc	ctttcaatgt	gagacctgcc	aaaagggaat	120
tctctgtcct	acctcaactg	aaagtagctt	gtaagaactt	catctcaaaag	gggtactgca	180
ttatactctg	aggccaagaa	aagtcaacgc	agaggccttc	ctgggtccct	ctcccccaat	240
ttgttaccat	acccttttgt	cccatcatc	ttctacatga	ttttactgaa	tctaagcaca	300
aaaatactca	gttgctccct	gggtgttggg	cctcatttct	aatgggtttc	gttccccata	360
aaactttggt	taatgc					376

<210> 429

<211> 394
 <212> DNA
 <213> Homo sapiens

<400> 429
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 tcttatgttc tgntaatgac aactcttntt gaagttcttc anggccgtgt gaaaangaaa 120
 agccngcccg gcacagtggc tcacgcctgt aatcccagca ctttgggagg ctgaggcggc 180
 ggatcacctg atgtcangag tgcgagacca gcctggccaa tgtgtctgta ctaaaaatac 240
 aaaaatcagc cgggcgtggt ggcgcattgcc tagnaatcca gctactcacg anctgangc 300
 aggaggatng nttgaacctg ggaggcggan cttgcattga gcntgggtca cactactgca 360
 ccccgacctg agagaaagag caagacttcc gtct 394

<210> 430
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 430
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 cctgcagata gcgagaactg ctgcagcagc cgccctagac cattctgcag ttctgatgca 120
 cagcatgatg gaagcatatt gcagaagatt attctggcct ttgtagatag tggattaaat 180
 tgggacagtg taagaatggg aattcagata gcccatggat ggacttcaaa atatcacccct 240
 ctaaaattgg actcaaattt catgttcaga tgcccgtttt cccactgca agaggaatcc 300
 aactttcatc agatccttgc atcaattaaa ctttccttac tgc 343

<210> 431
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 431
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 ccacntccaa anggccggtt cnggccttan tgatgncatt tccccaaan aagngaaant 120
 ggccctgttcc tgccttactg atgacatggg cttgngaaat tcccttctct ggctcatcct 180
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 ccccccttga ctgtaatttt cctttaccta cccgaatcct ataaaacggg cccacccta 300
 tctccctttg ctgactctct tttcggactc agcccacctg cattcagggtg aaataaacag 360
 ctttattgct cac 373

<210> 432
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 432
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 aagcctggat ggaaccctga gagacaggct agtccctcaa gcagttgcta aagagttgag 120
 cggtttcttc tgaagttcaa gataacacta ccgaagaatg ttatcaccgc ctggttctac 180
 aattcgctca agtgaatcct gctaaatctt tgctcttctc acgagtcaga cctactgcta 240
 ttagtggaata ctacttatga aatgaatttt atttctaaat ttctaatacat cttgcaatgc 300
 aatattaggc attgtcctct cggtcgcgta acctgatcaa actgggggtcc ctaaatacaa 360
 acacgcacat acagcgtgtc ttctaa 386

<210> 433
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 433
 gaaattattg taactctgga attttagaag gtgactgcnt gacaattctg agaggccaat 60
 gccaatgaga gaaaagttta ctgctactca tgatggcgcc cctggaagca gaagacacag 120

cacgctatag	agggccatgc	gggaaagcac	tggagtagct	ccaggccggg	cttgccagtc	180
tctctgcact	ctggaaggag	tttgcctggg	ttgggggtgc	ccttgtnat	tccaaacctt	240
cattttgtca	atttacttaa	aggtgac				267

<210> 434
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 434						
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gccttgnact	cctgggctca	agcaatcctc	ccacctaaagc	ctctggagta	gctgggacta	120
caggtgagca	ccgccaagcc	tgacctcaag	ttgaaatgtg	atcaccaatg	ttggagtggg	180
gcttaatggg	tggtgnttan	gctnngnatg	aaaccattgn	cacnaancca	atggggatgg	240
tct						243

<210> 435
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 435						
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gctagcctga	gaaatgtgga	atgcctggct	tctctgacta	gtgttgacac	agttgtttcc	120
agcgtgaaca	tacctgtaca	agtgaagcca	tcacctgtgt	atccttcctt	gcacagacag	180
cggtcaagaa	aaaaacctgc	aacttggatc	caatataaac	gatgacaaat	ttcaaagaag	240
tggaagctaa	attaatgaaa	aatgttatgc	aaaatgtttt	ataatatagt	taaaatgtat	300
gagtttt						307

<210> 436
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 436						
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tgattgcagt	ggagcaaaact	tatctgaata	ccagacagca	agaaagttcc	tcttctggga	120
gaagagttac	caccaacca	gacaacaaca	ctcagaagac	tgatttttga	acgattttcc	180
aacactcacg	tctcaattcc	tcttttctaa	aagtcaacaa	aatcctggag	catatcgcca	240
gttttcctta	caattgatgt	acatgtttgc	tactaatttc	tatggactcc	cttaagtcct	300
ataaattgtc	taccaaattct	tcaaaaaaag	cc			332

<210> 437
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 437						
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gcgccccctg	ccaatgatct	ctgcctccag	ggaggagcta	gaaggcagag	agaaagccac	120
tcaggacttc	ccatcccaga	agataaagg	gaggaaagca	gcagcagcag	ccacaggcca	180
gtattccaga	gcagctttgg	gttcctgtca	agacctgctt	tgagaaggag	gtggctgtgg	240
ggctggaggg	ctgggcctgt	tcttgagctg	gctgctggca	ccacagcaat	gaggcaacat	300
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cacttcaccc	ctcgggcctc	catttctcca	ct			392

<210> 438
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 438

09423674-102799

ngangggntc	ttgctatgtt	gttnatgcng	gtnnacacnt	cctggnetga	hntgannctc	60
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gaatcgtcac	tgtgcctccg	aacaccactt	agttccctca	aatatgtcct	tctaacaagc	240
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<210> 439
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 439						
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anaggataat	gtacaaggca	cgttntgtnc	agggagtctg	ccngcctggc	caagagcacc	120
cccaaaagca	cttggaatga	gcccagctac	nccaagggtg	ggagatntgc	caatatcatg	180
gagggagaaa	tacacatcta	gnntatgacc	cagcatncca	naggcctgca	ggctaaccgc	240
cctncctgga	agaaaacaga	aagtagaggg	cctgtcactg	ctggagatac	ccacgatgga	300
gacaatgctt	cagcagtga	cccagggtgc	gccatgcaat	ggcatgagag	ctctgccttt	360
gtccatcgac	atggaagtga	aataaaaaaga	aaactt			396

<210> 440
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 440						
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gcctctctac	aaactgagt	ctgactgtga	ccctccatga	tggggaagaa	aggatcatac	120
cctttccacc	cttacacttt	ctaggcaaaa	tacacagtaa	tcatcaagga	atttggttag	180
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tcccctattt	tgggaagacca	catcctttct	aaaacagtgt	gcatcagaag	ggaagtgttt	300
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<210> 441
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 441						
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gggaaaatgc	ccaanggatg	cttntaaaaa	tcaccaccgg	nctttaaacc	attgccccaa	180
aaccgggtaa	gttttgnngt	gttgggcttg	ggtccacttg	tccctctggn	caacctaaac	240
agggagggna	agaaaccaag	ggcttacna	aanggatgtt	tctttctctga	ggggaaacca	300
ctcctataga	ctcctctnga	antccaggaa	ggaagtgggn	aaaaccctac	ttcnnttaac	360
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<210> 442
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 442						
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<210> 443
 <211> 77
 <212> DNA
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<400> 443
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aaatttttcc atctgcg 77

<210> 444
<211> 430
<212> DNA
<213> Homo sapiens

<400> 444
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ggactgtttt gcctccacct ccttcaatac ctacttttct ttccagcaac agtcccttcc 180
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atccctccgg agcagacggg tgatccctac caccttctga acactcctac tcatcatctc 360
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gtaccactta 430

<210> 445
<211> 337
<212> DNA
<213> Homo sapiens

<400> 445
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attaaatatt cagcccatgc cagagtgagg atctcctttt caccttctgt ctgaattgtg 180
ccttgaatct gtttcgcgat ggggtgcgaac tgggtgagac acttgtctta gaaccgcagc 240
cctggcaact ccacgccgc tgacctcgag ccggtttcca tagcctgaat ccttcctctc 300
atttgcaaac aactttctta gtaaattgat acaaage 337

<210> 446
<211> 266
<212> DNA
<213> Homo sapiens

<400> 446
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cagatggcaa ggcgcctctg ctgatgctgn ctgcctgggc atggactgcc ttttcttcc 180
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ataaagaaaa catatatcca accttt 266

<210> 447
<211> 443
<212> DNA
<213> Homo sapiens

<400> 447
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gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tgttcctgcc 120
ttaactgatg acatggctct gtgaaattcc ttctcctggc tctcctggct caaaagctcc 180
cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttcctt tacctacccg aatcctataa aacggcccca cccctatctc ctttgctga 300
ctctcttttc ggactcagcc cacctgcac cagggtgaaat aaacagcttt attgctcaca 360
caaaaaaaaa aaggncnnng nggccaattn agnttggact taaccaggcn gaacttgntc 420
aaaagggggg gggactaccc ccc 443

<210> 448
<211> 514
<212> DNA

<213> Homo sapiens

<400> 448

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accacagagt	gccctgcaga	attgggttga	aaaactaaag	aaggcaaaca	gagtttatgg	180
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ggcatggaga	aaagagcatg	gatttgcaga	agagacactt	gagagagagc	tgactgtgat	300
ggtgatgctc	acagggaccc	ttgaagacat	gagttaaaga	tcgtagaagc	atgacaagtt	360
ggatacctga	atgactgtgt	ggatctgagt	ttcccagtc	cctgcagtac	atgatcacat	420
tgtttatgag	actgactatg	tctgagccan	aattgattgc	atctatttga	tgctgcaact	480
taacctgtgc	ttaacactat	ctctggggaa	aaaa			514

<210> 449

<211> 239

<212> DNA

<213> Homo sapiens

<400> 449

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gcaatcaaca	gtgagccaaa	tcaaaaagca	gcctacattc	tacctgataa	tctacacaca	120
ggctgggata	tgctgggttc	tactaggtga	attgaattgc	tccatgccag	tggaataattt	180
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<210> 450

<211> 503

<212> DNA

<213> Homo sapiens

<400> 450

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tttagagcca	gattccttat	ccaatgggca	aggaaggggt	ggcctgttga	aacatcctga	180
aatacatcaa	cccaaaatac	gaccaacaaa	aatgtggctt	ccaaaaataa	ctccgccagg	240
cgggtctgtg	tgccggctgg	gaggaaaagag	aggtgggaca	gaaccagctt	ggaccttccc	300
ccatcccagg	agtggccatc	ataccagcgt	cagtgatccc	agcctcatac	ctttgccttg	360
agactctgca	ttctgttgct	tggtgatggg	cactttgttc	atataaatgt	actcctcatc	420
agagcctgca	gaaggaagga	gacacaggct	ttgtgtgact	tcttgaagag	aaagggcctc	480
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<210> 451

<211> 215

<212> DNA

<213> Homo sapiens

<400> 451

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gattgtgcct	aagaatagcc	actgtgtctc	agcctggaaa	acatagcaag	acaaaaaaag	180
aaagagaaaag	aaagaaaaaa	aagaaagaaa	gaaag			215

<210> 452

<211> 418

<212> DNA

<213> Homo sapiens

<400> 452

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cntgccaat	gntaatggga	gataattcct	ttagggaagc	aatgaagggt	aaatgaggcn	180
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gtctacaaac caagaaga agcctctcca gaaaatgaac cctgctggaa ttggtcttg 360
gactttccag cctccanaac tgggagaaaa taaagttcaa aataaaagtc tgttgtgt 418

<210> 453
<211> 196
<212> DNA
<213> Homo sapiens

<400> 453
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aaaagtggat tcatgtggag cagacttgaa cccagactca actttacagc caactacagc 120
caaccgcag cttggaacgg aggcaggcaa gctagtccgt ggaccataa gtgataaaaa 180
caaagtcttt cattat 196

<210> 454
<211> 137
<212> DNA
<213> Homo sapiens

<400> 454
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gcctccccag aagccactat gcttcctgca cagcctgtgg aactgtgagc cagttaaacc 120
ttgttctttt attaatt 137

<210> 455
<211> 430
<212> DNA
<213> Homo sapiens

<400> 455
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tacaatggcg cgatcttggg tcacagtaac ttccgcctcc tgggttcaag tgattctcct 300
gcctcagctt cccaattctg gaggtgga gtcacgacg aaggngccaa gcatggtcag 360
tttcttgncc tngcttcata aggccgcccc aattttgcca tcttcacaaa naanaagggg 420
tactcacgtg 430

<210> 456
<211> 211
<212> DNA
<213> Homo sapiens

<400> 456
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attatctcca agagcatgtt ctgataagag tccatcaaca tgaagccaaa actcattcag 120
agcatcaaga gaggaaagtt tctagtgatg gtttgggtcat ggtctcttcc aggatgattg 180
catggcagag gaaggaataa aactgtgaaa g 211

<210> 457
<211> 424
<212> DNA
<213> Homo sapiens

<400> 457
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ccacatcttc ttccaggaac agagcccaac ataaactggg agggtttgct gtcttagaca 180
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caccggaact gaatttcaac agtctgacaa gctagcgttt tgggtaaata tcccagtata 300
cttgtcacag agttaagtaa aatggacttc cttcaaagga agtgctttta atacaataac 360

tgnttttgggt tttttttaa atgggattaa aaatttacac atttactaaa cctggcatat 420
 ttat 424

<210> 458
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 458
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 ccaagctggg actggcaaag acaatgataa ttctcgtgag aaaggtaatc ttgggtgtggg 120
 gaagagggtt tgcattggaat cagaagaatg ggcaaagggt cctctgcaag atattggaaa 180
 gaagacgaag 190

<210> 459
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 459
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 ttagcccggn angtcattgct ctccagggtg taaaacccaa ggccagcttc gggcacttga 180
 agacaaggac tccatccacc caggcaactt tcccagcct catggggagca actcctcatg 240
 aatcccaggc ttctgttgc tttgctgcct atctataaga aataaatcca cttcatttaa 300
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 ttggttaaaa 370

<210> 460
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 460
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 aggttacata atgctcctga agttccacgg ctgttacttc acactctatt gcttcttaaa 120
 ccaggatgca ttttataata aataagtata tttgggtgtga t 161

<210> 461
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 461
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 taactgatga catggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180
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 aaaaaaaagg ccagggggagg ccaattcnag cttnggactt aaccaggctg aacttgctca 420
 aaagg 425

<210> 462
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 462
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 atggatagta ctgaatccta tatatactgn ttttttctat acatataata aaaggttata 180

aattacgcnc agtaagaag ttaaaaactc aaaatatgag ttaaacncat atgcnatata 240
atatatgcaa taaaattgaa atactggc 268

<210> 463
<211> 287
<212> DNA
<213> Homo sapiens

<400> 463
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gtctgcaaga atccctccca cctgtcaagt tatggggatg aatatgtata aaatgcatca 180
tgtatgtgta cctgtagaaa aacttggtt gggatgtgca gaggaataa agcaaacagt 240
tttttaaaaa nncaaaaaaa aaggccaggg gggccattc ccctttg 287

<210> 464
<211> 236
<212> DNA
<213> Homo sapiens

<400> 464
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agaagtgat cggtgcaag ccaaggantg tgaagaatgg ccagccacca ctggaagcta 120
ggggagacgc cagcacagat tctccctgag agtatccaga agaaaccaac cctccaacac 180
ctggatttca gacttctgac cttgagaagt gtgagccaat aaaacaactg cagtgg 236

<210> 465
<211> 283
<212> DNA
<213> Homo sapiens

<400> 465
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cctaacttg caaggtcaaa tagcactaca tgagaaattt atacttcagt gaagacattt 180
tgacaaaaac taacattgtt taaatcacca gtaatgttaa gctgctttat acatgtccca 240
ttctgtcaaa ggttaaaata aagagcaaga tcttcattcc tac 283

<210> 466
<211> 256
<212> DNA
<213> Homo sapiens

<400> 466
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aaaatgcaag ggaaccgatg atcccctcag agcctctgaa ggagccaccc ctgcccatac 180
cttgacttta gccagtgaa actggttctg aatttctgac ctttagatct gtaagataat 240
gaacttgtgt tgtttt 256

<210> 467
<211> 457
<212> DNA
<213> Homo sapiens

<400> 467
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ctgaactcct gcttggggca aagttgccaa aaaagacttc gttatataac aacaccagag 180
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actgatgaca ttaccttgng aaattccttc tctggc 457

<210> 468
<211> 290
<212> DNA
<213> Homo sapiens

<400> 468
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gaatatgccg gcaactgaaag ttgtagcaag aagacagncc nggccactaa aagagggagg 180
ngatcgtgct ggccaagggt atcggaatc tgggagatgc agatacctgg agtttccttt 240
gctctttcgt gtcataattca aataaaaaatn aaagttttct tcagtccttt 290

<210> 469
<211> 435
<212> DNA
<213> Homo sapiens

<400> 469
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ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagcttt attgntcaca 360
aaaaaaaaa ggggccgggn ggggccattt aantttggga nttaaccagg tngaacttgt 420
tnaaaagggg ggggc 435

<210> 470
<211> 191
<212> DNA
<213> Homo sapiens

<400> 470
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aacacaccat catctgcctc tctccaaagg acgggggaga cgcctcatgt gagatggaaa 120
ttaagcctca gaagcagtca ttttcttta tattgtttgg aattaaaaac atattaaatt 180
gatccattat g 191

<210> 471
<211> 307
<212> DNA
<213> Homo sapiens

<400> 471
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ttacggatac catcacaaag aatttctaag gaaaaaaagg agaaaagaca gacatactc 120
ccggcgccacc atactacatt ctgactggtc cagaagaatg ttcaccacag tccccagag 180
cccaccggaa atgttctgac aactgtttgc taaggccaca cagcccgttt caagggtggt 240
cagtgtgat cctaatacca gtgaagtga tctcacctgt tcaaattaaa gagaaagttg 300
ttgaatc 307

<210> 472
<211> 593
<212> DNA
<213> Homo sapiens

<400> 472
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tcctggtttc	ttgcattccc	ttgcgcttgc	accccttggg	accattaaaa	agaagaaaag	180
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<210> 473
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 <212> DNA
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<400> 473						
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gcttaaagg	aaaggggaca	aaaggaaaag	tttgggtcaaa	aggaaatttt	cccaaagccc	480
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cccaaaccg	ggcctggcct	ttttaaat	tttaccacca	ggggaanggg	acttcacat	660
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<210> 474
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 474						
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tgccacacac	ttttaaaacc	atcataatntc	atgagaactc	actcactatc	acaanangag	180
cangggggaa	atctgccttc	atgatncaac	cacctccac	cangcccttn	tccaacatg	240
gggggattac	aattcgacat	ganatntggg	tggggacaca	ganccnnacc	atatcacaat	300
ccaatgtggg	tgatagctgc	tacagnaact	gtantanact	tggnagatat	taactgtcat	360
tgtcttgcaa	atggaggctc	nctncaaaag	attaatatgc	ancaatgggt	gaaccacaca	420
g						421

<210> 475
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 475						
aaccaaactc	aacgtcaggc	cgtggtttct	gctcatcaaa	gaatgactgc	tgctgatca	60
ctaactgtgc	accacctgca	cttcagtgtc	tcaaggtctc	ccctgccgct	gacatttggg	120
acaggctggg	caggatactg	aggatgctgg	actctccttc	gcagtgtgtc	ttgtataaac	180
ccaaggggaa	tgggaatttg	gagacaaaag	aagccatcct	ggagcggcca	aataaagcct	240
ttaatcttt						249

<210> 476
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 476						
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atcaacttga	gcaatcagac	tgttttacat	cctcccagct	gacagccggg	cttcccccaa	120
attctgtgtg	gaatgcagcc	acatcgtcta	ttgaaaccag	ctcctgacag	acccaacaa	180
cttatacatg	aacctaagtg	aactatcctc	agttccatgc	taaattctcc	accgtgggag	240
gggctacagg	ttcattagca	taacatgaga	cccgtgttgc	tggcaggatg	actcactaca	300
tctgcacaaa	tggggcctgt	cctctatatg	cgatgatcca	ccctttcctc	tctcaccccc	360
ataaaaccct	cctgtcgttt	ccttggggag	acaccgcttt	ggagaacact	tgtagtgtct	420
tccttacttg	tgacaagtaa	taaaactcct	ag			452

<210> 477

<211> 276

<212> DNA

<213> Homo sapiens

<400> 477

ncctncatta	agnnngaact	gncatngngt	gtnacncatt	agnatgagtn	cacaattaaa	60
catgaactgg	ttcctgcccga	aatgcaaaan	aaacatgtca	ntactaagct	gctattttat	120
ttgacagctc	attttccttt	ttccctgcag	tcatttggtg	tttataagca	aacctgagcc	180
tccaaaacac	ccccaaaagt	gcacacaagg	agtcccataa	tcagtttctg	actttggccc	240
taaatcgatt	agaatacatc	tgatctgctt	caaate			276

<210> 478

<211> 300

<212> DNA

<213> Homo sapiens

<400> 478

ttgtatggca	accctgtagg	ctcctcacgg	gcccaggttg	gctttgggga	gacccagccc	60
agcccagacg	ctccaaggac	cccattggca	gagctgcgac	cagagaccac	tgctctgcaa	120
gccacgattg	ctgtccgggc	agtctcacc	acggggcaga	ctgaatcctt	ancttgctgg	180
tttgtgtcat	catccggcat	caggctcagt	tcaaattcca	gtcctccac	ttccaagttg	240
ttggctttga	gcaagtcact	taatgtcgct	gcgttccatg	ccccatctgt	gaaatgaatg	300

<210> 479

<211> 432

<212> DNA

<213> Homo sapiens

<400> 479

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tntgtggcaa	anttacntc	gnatgcaggn	atncaatggc	cattcagccg	gggcagttcc	120
agcnttcggg	ggacaggagc	cccacccan	ttttgtntcc	caccacntcg	tgtggcgcta	180
atcagganag	gacagcgcca	tctgccaatc	ccctgggctc	tgacaccctt	taagggtgtag	240
cgcacacagc	ctcaggagcc	gccatgacaa	ctgaagatgc	tacacgaagg	ccaggggatg	300
ctgccatgtc	ccccangcag	gtgccccgca	gcctgtggcc	ccacgccatg	gtccagtgtg	360
ggggggaaca	ccnttgattt	ttaataaaga	gancagaaga	ccctgggtgg	gtctntnacc	420
actggcactt	ct					432

<210> 480

<211> 441

<212> DNA

<213> Homo sapiens

<400> 480

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gaacatgaaa	taaactacta	gcctgactca	gctctcaatt	gactggggat	gccattcaag	180
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gcaggatata	atattctcgg	gtcacacctt	ctttcagaac	ttgcagacac	tgcatatttt	300
cttttggcac	tgaattcaac	tgggagaagt	ctgngggccag	ccaaatgttt	aaccatttga	360
aaggacttcc	tttttgcct	aggttttcca	ttttcttttt	angaactctc	ttttttaatc	420
actaaacttt	tattttaata	c				441

<210> 481
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 481
 ancnnctgaa gtgncaannng aggctggagt gcaatggcaa aatctcacct caccgcaacc 60
 tccacctccg gggttcaagc gattcttctg cctcagcctc ccgagtagct gtgactacag 120
 agatgggtct cgccacgttg ctcaggtggc cttgaactcc tggacttaaa taaatcctca 180
 tatctcaact tctgaacag cttggactac acatgtgtgc caccatgccc agttattaac 240
 ataattttaa aataacatct cctgttctac tataaaagta agtgaataa aaggtcagaa 300
 aaat 304

<210> 482
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 482
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 ccaggcatgg tggctcacac ctgtaatccc agcacttttg gatgccgagg cagctggatc 120
 acttgtgggc aagagttcaa gaccagattg ggcgacatga tgaaaccccc tctctactac 180
 aaatacgaaa attagccatt gtggtggcac acgcctgtaa tcccagctac tcaggaggct 240
 gatgtgggag aactgaacct tggagggtggg gattgcagt agccaagatg gcgctactgt 300
 gctccagcct gggcaacaaa gcaacactat gttttaaata aataaataag tgctgagatc 360
 tcagaaaatt nnnnnnnnnn nnnnnnnnnn naaccnaaa aaanggggcc ggggggcccc 420
 ttt 423

<210> 483
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 483
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 agtccttgct gggttccctc actcagtcta gagtatcact atgagatcat accttttggg 180
 ccaagcatat ttctacatgg ttatcaatca tgcctatcca aggaagtttt cataaaaggc 240
 ctacaggagc atgatttgga gggctttcag atagagggtc ctggaggatg ccactcccag 300
 ggagggcatg gagcttccag gccccttccc ccatacctgg ccctgtgcat ctcttcatct 360
 ttattcatta taatatcctt tgtaataaac cagtaaatgt gt 402

<210> 484
 <211> 497
 <212> DNA
 <213> Homo sapiens

<400> 484
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 cagtcaccca cctgttccac ctgtttcaac aggtgaactc actgcaggca cagaagacat 120
 ctaaggactt tagaagttag gtagcctccc aggcaccaa gacacctccc ccaagaaatg 180
 actccatttg tacattttca tataatgttc tttctacaag aggatctttg taatttacta 240
 gacccttttc tttctcaaaa tacatgagga taccagagga attatcttct aaccctcatt 300
 ttgacccttt cacctacaaa cttgattgga tctgcctaatt ctctgaggaa cttgctaagc 360
 tctggttgtc aatttatatg gccagattga cagaaagtat gaaagtccctg tggaactatg 420
 tttactttca cacatgaacc agtganggaa gccagttcat ctggtgatgc acattgatgg 480
 ctcttcttgg tccccaa 497

<210> 485
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 485
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aaaagccagg taatggatac caccaggaga gggtgactgg atacaccata tctcttcaact 120
cactcaaaga cccaaactga tggagaagta aacatcccta ccagtcacag tggcagaagg 180
aaagaaagct ttgaagtgtc ttcaactgga aatcaaattc tccatcctag aagagacgat 240
cattatttcc ttaatgatta attattttaca acttgngggac ccggaagtca ttatatgacc 300
taccccaatc accagggact ttgtagtata attttaccac atctggaatg cagacaggcc 360
taatataattg gccaaaaaaa tcaagaacta ctttgatcaa gcntaaanta aaaggtgggtt 420
ttaaggaaaaa gttannnnnn nnnnnnnnnn nnnnnnnnngg gggcngnggg gcccnttnng 480
ttgggattaa cccgggttaa nttttttnaa angggggggc ccccc 526

<210> 486
<211> 513
<212> DNA
<213> Homo sapiens

<400> 486
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cacgacgtat caggcttttc atgtgtcatt ggggtgaaagg gagtcacatg ggccaaggag 120
gggaagcagg tgtcatcaga gcagttccac agccctctag gcacagtaac aggcattgctt 180
tctgtccttc tctcctttta gattgtaagc tacccaaagt ccatctccat ggggtttttt 240
ccttatgtgc aaactaccat atgacagggtg tgcctgacaa taactcaggt atagctgaga 300
atgatcctgt agtccaagaa tggttggttct gagctctgaa ctaaggaatc tgggagctgc 360
caacccaaaa gggtactcct tatctatgga gcataagtga acccctggcc cttttcttgg 420
nacaacatgt gcngggnaac caaggccttt ttttttaact aagggggaag ggggnccggn 480
naaaggcccc caggaaaaag gggggcccggtt ggg 513

<210> 487
<211> 436
<212> DNA
<213> Homo sapiens

<400> 487
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attacaggcg cgagccactg caactggccc attaaatttt taaccccgtta cttgacggat 120
cagctgacac taccagacc agtaatctgg ctcaaccagt cctgcgatcc caccagaggaa 180
cagaagacag caagaaaacc tcaacttcaac actcccgctg atgactccat cgacctcagg 240
aagctccaac caatcagcac tccccacttc ctgagcccct acccgccaaa ttatctttca 300
aaactcggat cccctaattg tcagcgggaga ctgatttgag caataataaa actctgggtct 360
cctgcaaaaa aaaaaagggc cgggggggcn attnannttg ganttaaccn ggnntnaactt 420
ggttaaaagg gggggg 436

<210> 488
<211> 90
<212> DNA
<213> Homo sapiens

<400> 488
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gtgactgctg atttgcttaa ccccatatgt 90

<210> 489
<211> 515
<212> DNA
<213> Homo sapiens

<400> 489
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gggaggccaa ggccgggagga tcacgaggtc aagagattga gaccatcctg gccaacatgg 120
tgaaactccg tctctactca ggaggctgag gcagaagaat tgcttgaacc tgggaggcag 180
aggttgcagt gagccaagat tgcaccacta cactccagcc tgggcaacag agtgagactc 240
catctcaatc aatcaataaa atcaacatat taaatgtcaa aataacttaag taaaaatgtt 300

ctacttggtc	tatgtcac	aaagaatagt	cataaaaaatc	cagtatgaaa	gtttttaaca	360
gactacttta	tttacattct	attacttgat	aagcagcact	tgaataacca	aatttatatt	420
atcccagaaa	gttatggaca	ctangtgctt	caagaagttt	gctgaattaa	angacagatt	480
tacttattgg	cttttggtta	aaaattatgc	aaaaa			515

<210> 490
 <211> 528
 <212> DNA
 <213> Homo sapiens

<400> 490						
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agaggcattc	ttactattcc	aaaacaagga	aagggtaaaa	ccaagatgtc	aaaggccccc	120
ctgggtgtgga	ancaaatttc	tgcctccacc	agctggatgg	ctgctacccc	tgtacaggtc	180
cctaacactg	gaacagggat	caacccaagt	gcttggggct	caccatgtcc	tcctccccag	240
ccaggacagc	aagtgggaaga	cacaggcgag	ctgaaagagg	ctcactgtgt	gccagccct	300
aaccccctgc	ctcattggca	ccaggcacc	aggactcctc	agaactcaga	gccagggttt	360
gggcagcctc	ctcgtagtgc	tccttgaata	ggatttatag	gacttgacc	angagctttg	420
ggccattcca	ggggacattg	cttttggggg	aaaaaaagga	cccaatatgg	gtatctaaga	480
actttgaagc	atgtcgtcag	aaatcggagc	ttcanggaat	tgggaaat		528

<210> 491
 <211> 537
 <212> DNA
 <213> Homo sapiens

<400> 491						
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agaagtggag	atggcggcaa	cctattatac	ctggatatac	ttggtataca	aacaaagaga	120
ctcaatgatg	aattgaacaa	tgaatctgaa	ggaaaaagga	gaaagaaaac	acaagtgtgc	180
aggtgtcaat	tgtataccat	catagtacca	tcaaaagaag	taggaaatag	tggagatgaa	240
gcaggttgat	atgatttggc	tgcttcccc	cccaaattct	accttgactt	gtagttccca	300
taatccccac	atgtgggggg	aggaagcctt	tangaggtga	tttaatcatg	gggtggttac	360
ccgcatgctg	ttctcatgat	aatgagttag	ttctcacaa	atttaacgtc	tttanaaagg	420
aactttttcc	ccttttactt	ggcacttctt	ttttgctgtt	ggcattgtga	aanaangaca	480
tggttgcttc	ttcctttccc	ccttgattgg	naagttcccc	anaacctccc	cagcctt	537

<210> 492
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 492						
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gctgaggcca	ggcatgggtg	ctcacacctg	taatcccagc	actttgggat	gccgaggcag	120
ctggatcact	tgtgggtcaag	agttcaagac	cagattgggc	gaentggggn	aaccccgtct	180
ttactacaat	ccaaaattag	ccattgtggt	ggcacacgcc	tgtaatccca	gctactcagg	240
aggctgatgt	gggagagctg	aaccctggag	gtggagattg	cagttagcca	agatggcgct	300
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agatctc						367

<210> 493
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 493						
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actctcta	taaaacccaa	caattctgta	gactcttcca	taggaaatat	attcatgagg	120
ctgatgctta	tagaaagttt	tatcttgtga	gttattaaat	aaaaatgc	tcaaatttca	180
agaactgtt						189

<210> 494
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 494
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 cttacttatt tgtgaatttc cataacatct agtagagtgt tttccaccta attgggcgca 120
 ataaatgttt attgaaaaaa taaagaaggc tatgggg 157

<210> 495
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 495
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 agaacatatg aaacaatgtc ttcaaaacac tgaacatcag cgatgggaagc aggaggcaga 120
 gaaattctag gcagacaggg gcgggtcccc agtgaaacag caccttcaag tcaaagtagc 180
 ctgaaacctg ctgcccaga ccctggactc agtcagtaga ggagagaagc agcttgactg 240
 gagagaagca acttgacttc agagggacag ctggacttca gaggaaagat agcttaactt 300
 cagagggacg ctctgacttc agggaagatt acctgacct cccatccccc ttttcagctt 360
 ctntttttca cttggagact tcctttggtt aaataaaata atctgcctcc accatc 416

<210> 496
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 496
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 acaggtctcc tacttctaga ctcatgtttt tgaggagatc cgtggatcag catctctcct 120
 ggtcaggacc acagaggcct tccacccgct gtgtgaagcc tcgttggaagc ccagcttcaa 180
 aagcaaaagg tatgtcaatg ttccataaag agaggatcgt gactctcccc ctgtgcaagt 240
 ctggagctgg agagcactct ttctgtggga tgcagtcacc ctgaaatgaa actctcttta 300
 ntagctttta cttgagaaga tncccatatg ccctacctac ttatngtnat gcnctcttat 360
 attaaaaaaa aaagttgggg agtttaaaag gacca 395

<210> 497
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 497
 agatgaagtc ttcctttgct gccaggetg gtctggaatt ccttgcttca agcgatcctc 60
 ccacctcgac ttcctaaaga actgggatta caggcacaag cctgccccac tctgcaaccc 120
 ggtgtagaga ccgctacatc aaaagcacat agtaggaggg aagaaaaaac ccacagagtt 180
 acaataatga aagtctggag gcaaatagag tagaagtcta cttgaatagg tatccctccg 240
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 ctaatctgtt agattttcaa agtccaccaa gatcagttaa acaattgctg agctaaagaa 360
 aagaacttac cattcattgg agtttntttg ccatcccatg cagttattgg aaataaatat 420
 ttgtatgct 429

<210> 498
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 498
 acaaggcctc tgcgaaccag gctggagtgc agggatctcg gctcaatgca acctctgcct 60
 cccacgtca agcgattccc gtgcctcagc ctgcagagta gctgggatta caggctggga 120
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ccaggctggt	ctcgaactg	tggcctcagg	cgatctgccc	gccttggcct	cccaaagtgc	240
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agtctgtact	gtctgaaatt	aatatagaga	ctcctgcttt	ctttt		345

<210> 499
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 499						
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tggaccacga	ggatctgaca	gcctttttgca	aaggctcacc	agccccgacc	tcagcagagg	120
aaagacgact	ccatgcttgg	ctagcaaggg	caacgggtgcc	accagcttca	tatgtcccac	180
ctggcagggg	gctcctaaca	ggggtcagag	cagtactgtg	acctgaagct	ctccctgctg	240
cctcttcttc	gtgccccctt	tttaccatc	acagctattt	cccctaatac	atcttctgca	300
tgtgtctctt	ggaggacctg	agatgacact	gagccagact	gaatttttct	tttttgccat	360
aatcagaatg	gattaattaa	gaattaaa				388

<210> 500
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 500						
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tcttgtggcc	cccaccagg	aactgactca	gcacaagaag	acagctttga	ctctctatga	180
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ggtcttctgc						310

<210> 501
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 501						
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catcaccttc	acctggggagc	tcattaggaa	tgcagaatct	cgggcctcat	ccctgatcca	180
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gagaagcact	gctgtacaac	actttgtaac	aatctctctt	gtccaagagc	ggggacgaag	300
ctagctgtga	aagctaacac	aggtctcagg	tgttcttctt	cctgcaagtg	aggggtggagg	360
gtctgcattg	ngggtcattt	tcccgaataa	ccttcccttg	gateganggc	tcctgtctgc	420
caaaaagaag	ccagaatgaa	atgatgctgt	agaaa			455

<210> 502
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 502						
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tcagtgcac	ctctgcctcc	tgggttcaac	ggattctcct	gcctcaccct	ccttagtagc	180
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tgaccaggct	ggctcttgaa	ccctgacctc	aagtgaacca	cctgccttgg	ccttccaaag	300
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accctctatt	taatataata	caccaatta	aggggtt			397

<210> 503
 <211> 443

<212> DNA
<213> Homo sapiens

<400> 503
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gtgtttgtgca cctagcccca ggtggataag aacatccaga tgcacctgcc cttcactagc 180
tttgtcatgg ccctgcccc atcccagctt cagggtaaac ccctgctacc ttcagtgtctc 240
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ccaccaatg ccagcacata gtg 443

<210> 504
<211> 346
<212> DNA
<213> Homo sapiens

<400> 504
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ttaccaccac gccctgctaa tttctgcatt tttagtaaag acagggtttc atcgtgttgg 180
ccaggctggg ctgcgaactcc tggcctcagg cgatctgccc gccttggcct cccaaagtgc 240
tgggattaca cgtgtgagcc actgtgcctg gcctattcct gatgactctc cttgtctctga 300
agtctgnact gtctgaaatt aatatagaga ctctgtcttt cttttg 346

<210> 505
<211> 444
<212> DNA
<213> Homo sapiens

<400> 505
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aaatggcctg ctcccgcctt aactgatgac attgtcttgt gaaattcctt ctctggctc 180
attctggctc aaaagctccc ctgctgagca ccttgtgacc cccactctgc ccaccagaga 240
acaaaccccc tttgactgta attttccttt atccacccaa atcctataaa atggccccac 300
ccttatctcc cttegtctgac tctcttttctg gactcagccc acctgcaccc aggtgaaata 360
aacagccatg gtgtctcacc aaaaaaaaaa aggccagcga ggccnattta gcttggactt 420
aaccangctg aactttgttt aaaa 444

<210> 506
<211> 401
<212> DNA
<213> Homo sapiens

<400> 506
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catcctggct caaaagctcc cctactgagc accttgtgac cccactctc ctgcccacca 180
gagaacaacc cccctttgac tgtaattttc ctttacctac cctaattctta taaaacagcc 240
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gattaaaagc tttattgctc acaaaaaaaaa aaaggnnngn gnggncaatt cagntnggac 360
ttaaccnngn tgaacttgnt naaaaggggg gggccaccca a 401

<210> 507
<211> 306
<212> DNA
<213> Homo sapiens

<400> 507
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tgaccacagt	tgaccacagt	gctattcgaa	gacttactca	aagttttcat	acagactaac	120
catgtgggac	tgtgatttag	caaggaaaac	agccagaata	aacatgtcag	tgtctccgtt	180
ttatgggtggc	ttcatgtgca	gcattgtgac	ctatacctcg	gagtttttct	tataccagat	240
gaagcttggt	ctatagtctt	cacaaggaca	taacacttgt	cataagtaaa	tgtttctatt	300
ctcttg						306

<210> 508
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 508						
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tactgaaggg	tgaggggtgag	gacaagagaa	gggaaggtgg	tggagatgat	tattcaacag	120
tcaagactct	gctagtagac	aagacaccag	aaatccggaa	ggcctctccc	tgccccgcca	180
aaacaggaga	aaaaataaat	ttctgaaaga	ttttgatata	tttt		224

<210> 509
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 509						
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tcagtccaag	tcacaaaaga	attgaatgcc	gccaacaact	atgcaaggat	gtaaatgaac	120
tattcttcac	ttgagcctcg	gaagggacca	taacctgac	tgataactga	taatagtttt	180
gtgagatcct	gaaagcagag	gatactcaga	ctcctcattc	acagaagctg	tgagagaatt	240
catgtatatt	gttttatgtc	tctaattttg	tggtaatatt	gttatacttt	aatggctaatt	300
aaagctacca	actcaccg					318

<210> 510
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 510						
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caaggaaaga	ggatcatttt	gaagccggga	tatggagacc	aacctgggca	acaaagcaag	120
acctcatctc	tac					133

<210> 511
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 511						
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aggntgggga	ttggagacca	acctgggcaa	caaaagcaag	acctcatctt	ctac	114

<210> 512
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 512						
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caccgcngtt	caccaccatg	cccagctaat	tttctgtatt	tttagtacna	aacgggtttt	180
caccatgttt	ggccagactg	gtctcaaact	tctgacctta	ggnagatcnt	ggnccacctt	240
agccttccaa	agtgctggga	tcacagtcct	tgaagccacc	gcgcctggnc	gacaacaggc	300
ttctttgaag	aacaaggggc	cttcttttaa	ttttnaacaa	antctcttgc	ctttgttaca	360
cangagtatg	gggntncaat	aaattgtttg	gntnggattt	gaaatttgc		409

<210> 513
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 513
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 gaccacaaaa gaagtgaata nggccagttc ctgccttaac tgatgacatt accttggggac 120
 attctctctc ctggataatg nctctgganc tccccaccaa acaccttgtg acccccactc 180
 tgcccacaan agcacaaccc cctttaactg taattttcca ctacctacc aaatcctata 240
 aaactgcccc acccccattt cccttttgctg actctntttt cggactcaac ccacttgcac 300
 ccaagngaaa taaacaagcc ttgttgctca canaaaataa aaaaaaangn caanaggngn 360
 cctncnnnnt gnaatnaan catgggtnnn gtntgtgnaa aagggggggg g 411

<210> 514
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 514
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 tataggttgc actgtggagc aaatatacca ggaggtcttg atttcccttt tctccctcac 120
 catccgataa taaatccaag tggaatgcta ggaattggta aaaag 165

<210> 515
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 515
 caatgatgtt cagttccaat tttccaactc ccagaagat gctccactgc tccactctct 60
 tgccaccatg gtcattccaa gaaacaaatc tgaccacagc atttctcccc ccacaccctt 120
 cccaacacag catggactct gcaacctggg atgagggggc tctgcttcac tccagtcagt 180
 cccatggctc ccaaagtgtg gtctatggac tctaggggtg ctacaagatc cttccagagg 240
 ttttacgagg tcaaaagtat ttgataaaaa tactaagaca tttcttggct gggagccatg 300
 gttcatgcct gtaatctcag tgctttggga ggctgaggtg ggaggggttg ctgaggccaa 360
 gagctcaaga caagcctggg caacatagaa agaccctgtc tctacaaaaa aaaaaaggcc 420
 agngngggcca attcagntng nacttancca ggctgaactt g 461

<210> 516
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 516
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 aagctcctta gaatagaagt tcatgggagg aagcatccac atgtgcactc acatcttcag 120
 aacgtgctgc ctctgcccc caaacacact gacctctgcc ttttcaaagg caaaatttga 180
 tccattaatg ttccccagtg ttggtttcat aaagcgtttg gatgggccct tcttcacaaa 240
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 agaggctggc aacaagtctg cctgcaggat ctgccaagga accagatgct gttgcttcca 420
 aagcttggca tcaggggcccc tgattgccat tcaacaaaga ggaaaaatag gggat 475

<210> 517
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 517
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 ggatctcatg ctcttaaggc accggctcac tccaggagac tgagatggct gaaaatgaag 120

aacagggaaa	cttggacc	gagacatact	cagaggaaga	acgctgtgtg	aggcggagg	180
cagaggtcaa	ggggattcat	ctatgagcca	cagactgcca	cagactgcca	gccaaccctc	240
accagagcca	ggagagaggc	acagggcaga	gtctacctca	taccctcag	aaggagtcaa	300
cgggtgctgat	accttgattt	ctgaccttta	ccttcagaac	tgtgagacaa	taaatttcta	360
ttgtgtaagc	c					371

<210> 518
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 518						
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gggggctgta	gcccttgaag	ccatgtgaaa	taagacctga	agtaaccgcg	atgccagtgt	120
ttggccaccc	ttggctgaaa	taacatattt	acccagcaac	aaagctttcc	catccatttt	180
tatttaagag	agatttttaa	taaaatctag	taaatg			216

<210> 519
 <211> 483
 <212> DNA
 <213> Homo sapiens

<400> 519						
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tggacatgag	ctgtgtggtg	tccccgtcct	catacctatt	ccagaaccac	actggtcctc	120
gctctcgtct	ccgaactgtc	ggaggacgga	cctgcttttg	caaggacctg	aactccctgt	180
gttggtgctt	aagattttta	cccaggcatg	aaaaggaaat	gaattctgcc	aactcatcgc	240
tgtgtctgtg	ggaacagaaa	ctcagggcac	ctattctctg	caagaaaagc	atcaattccc	300
tgtaagaaaa	gtttcccacc	tgagacaatg	acacagacca	acataaatgc	tcttttggtt	360
ttatgatttc	tgatattaga	ttttacttga	tttttttaat	tttaattttt	taaatttcgt	420
tttgagagtt	aaaagtgtta	cttcttttat	ttccagcagt	tcaaggaatt	tcagagcaat	480
ctt						483

<210> 520
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 520						
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ggcagaacac	aggccctca	ccccgatgcc	cacgaccact	cagtaacaac	atctaccacc	120
attcggaggc	aagacaaact	gcatgagtaa	cccagcacag	ccactcagat	gtcacttctt	180
cctggtgaag	aagcagaacc	ctagattcac	aaaataaaca	gtcatctaca	ggc	233

<210> 521
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 521						
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tcactgggac	ctccgcctcc	tgggttcaag	cgattctcct	gcctcagcct	cccagagtagc	120
tgggattaca	ggtgcccgcc	accatgcctg	gctagttttg	gtatatttag	tagagatgga	180
atttcaccat	gttggcaaag	ctgatctcga	actcctgacc	tctcaggtaa	tctgcccgtc	240
tcagccttcc	aaagtgtctg	gattataggc	gtgagccact	gcgcccggcc	tatcattgct	300
gtattttcaag	tacctgttta	ccttgtaggg	tctgccctac	caaattaaaa	gctttaaagg	360
atggac						366

<210> 522
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 522
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ttctctctcc ccaggcttcc cagcaccac agacaacgcg caaaacacaa ttaagggtg 180
accgacttta caaaaggcag gcacgcctac gcgatgagca ctggatctaa gcagaaacgc 240
agagccgccc aagccaggtc catcctggcc ccgctctgca cctcatgcca tgatgtaccg 300
cacaggcctt ctgagggggt tcaaatccca tgtcaacaaa aggaaaaatt aaaggcactc 360
taatcggt 368

<210> 523
<211> 487
<212> DNA
<213> Homo sapiens

<400> 523
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caggcaggtt gaattgcccc gggcctacag aaaacctgac ctctacaag acagagacac 120
caaatgcccc ccgatggaca agcagaggac caaggggttc ctggtgttca tcgtgcagga 180
aacactgcaa acagctgggg agatgggaat acttgacaac cacctttcac gtccagagat 240
gaccaactag gaactgtcct ccccatcac ccacaccca gcacagtgt tactcagcca 300
aatgcctgca gggccagcag gtaacaccca tgactgaagg tggcggggca aatattacaa 360
cagggagagg tggaacaaat ttgggctcgt atgcctaga taagaggatg accaccgccc 420
aattccaact gggaaagcag gcccggtgtt gccagacctt nagaattttt cagaaaaact 480
ggaaatt 487

<210> 524
<211> 325
<212> DNA
<213> Homo sapiens

<400> 524
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gagccctnga naacagacca cttcaccaag agggcccaag gtgattngta aaaagaagac 120
cattncnnaa ttccttcatt ctggacccat tctaccaaag cctcaagaaa gaagaagggg 180
cctgggaaac aagcttcctt ttcccttcac caagccttca agaaagggaa attcaaactn 240
ttgnccccc attncttcat cttgggggaa tttcccaatt ttcttgggaa tttggggagaa 300
aaaataaaat tttcttggtt atttt 325

<210> 525
<211> 495
<212> DNA
<213> Homo sapiens

<400> 525
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tccagaacaa tgagaatgct acctctgccg acaacattcc catccaacta agatcaagcc 180
agattgctct tgagtcattg gttagtaacc catgggaaga ggaagagtag ctgcagttga 240
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caagaaaagg gagca 495

<210> 526
<211> 355
<212> DNA
<213> Homo sapiens

<400> 526
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gagcnaagtt actttgtggn ttaacaaagc attaggaaat gggactctca agctctctca 120

aaaagtatca	aagaagtga	attcatcaga	ccactgtgtc	gagacaatga	gacgccagat	180
gccagattcc	ttatttgtca	tgattgtctc	cttagccctc	cctagttcct	gttttcctgc	240
tcataagtta	cattttcttc	ttgctatata	atccccta	ttcggctggt	tgaggagatg	300
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<210> 527
 <211> 521
 <212> DNA
 <213> Homo sapiens

<400> 527						
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gaccaagcag	ctccaagccg	gcccctctgt	ttataaaaacc	aagttccggg	ccaagtgtgg	300
tggctcacgc	ccgtaatccc	agcactttgg	gaggccgagg	tggccggatt	acctgaggtc	360
acatgttcaa	gatcatcctg	ggcaatgtgg	tgaaaaccca	tctctactaa	aaatacaaaa	420
antaactggg	cgccgggggtg	catgcctttt	gatgccagct	actcgggaag	tctgaaggca	480
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<210> 528
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 528						
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ttagctattg	atgacatatc	taaatgggac	attcngggca	ttgtccggag	catgctgaca	420
gaagcattat	attttcttaa	gaaaacttaa	tggngccctg	atttgaccac	tttttancat	480
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<210> 529
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 529						
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tctactccaa	acagcattag	agaggaatct	ggacctgctg	cctccaaagt	tgctcttggt	360
tctgaaattt	tatggctacg	attctatcac	aaaattcaca	acgatgctgg	aagtggttct	420
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<210> 530
 <211> 513
 <212> DNA
 <213> Homo sapiens

<400> 530						
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aaaccaggac	attcaccac	atattttgtc	aatgacaca	gcaagaaggc	cttaccaga	240
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gctcaacaag	ctgctgagca	gcaatcccag	ccccagggcc	cagagcacct	tcctctggga	360
gtccagcctc	angactgtgc	tctgcctgcc	cctactgcac	angcctcaaa	accaccacc	420
tcaacttctg	ggtcaagcac	agtcaagaag	caaggtaaga	ngctgngctt	cactggatga	480
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<210> 531
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 531						
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tggaaatacta	ctcagccata	aaaaggaata	aaataatggc	atgtgcagca	acctggatgg	300
agttggagac	cactattcta	agtgaagtaa	ctcaggaatg	gaaacccaaa	tatcatatgg	360
gagctaagct	atgaggatgc	aaagggataa	gaacgggata	atgaaccttg	gggacttaaa	420
anggaaggat	gggaaaggat	gaaggataaa	aaacttcnca	ttggctncag	tgtacactgn	480
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<210> 532
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 532						
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gaagaatttc	taaaatcctc	atatgaaatg	agtaaaatta	aggataaatg	acactggaaa	180
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ttttctcttc	ctacccccag	gcatgagttt	tgtatcactt	acatttatgc	tccacaatgg	360
gaatattgat	ttggcccaaa	taaagacatt	caacaaattc	ttaatgagtg	gatcaatgga	420
agattnctgc	caacccaaaat	ccanggnaat	ccttgagttg	cacagtggan	tggcattctc	480
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<210> 533
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 533						
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ccaacaaaaa	tttgtcgaa	ggatgaacga	aatgaaggaa	cgtgagaggt	acacaggaac	120
cacaatcata	taaggcaaaa	cttgccatgt	ttggagtggg	gcagagcttg	gaaggcccg	180
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atggccccga	aagaacttca	cccttggnta	ggaaggcttc	aaccatttcc	cccaccctta	300
accttttttt	aaaagganta	caaaccaa	tccaaaaact	tttaccaaaa	ccttngnaaa	360
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<210> 534
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 534						
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ggaaaagnaa	gccaaagggg	cctttttatt	ttggaaaatt	ggaaggggaa	aaaccaaggt	180

nggaaggcct	tcccgcgggg	attttaattc	cgganaaaag	nggggtccac	cttggggatt	240
ttggcccttg	gccaccaag	gggttttttt	tggggaagac	cttgggtcttt	tttcccttaa	300
gnaccaattc	ccaccccggg	gaatttnggg	ggaagaccaa	aaaaaatagn	ttggnntggc	360
caatttttgg	gacaaaaaac	cggtttaacc	tttccaaggg	aaaaggaaat	tttaattggg	420
tttttgcccc	caacccccaa	ttnaatttgg	gaattttttna	attccnaaag	gnccnccaac	480
cccaaattgg	ggcccttttt	aanttcccc	ccctttgggt	tgcccaanaa	ggggaaaatt	540
gggaaatttt	ttaaattttt	tcccccaat	ttaaaagggt	ntncccccaa	cccaaaagg	599

<210> 535

<211> 381

<212> DNA

<213> Homo sapiens

<400> 535

agactaccct	agcatthaagn	tncaagnaac	taggagncn	gcctngcaag	accaaagncc	60
cccttgccac	cattggaaag	gaaagcccc	attccttggt	tggggttagn	ggaaggaagg	120
aaggttggat	ggccccaacc	accaccacgn	aaggaaaaaa	aaggaaaaac	cggaaggaag	180
gaaggaaaana	aggccacgga	aggaaggacc	acgcaaggac	cagnaaggaa	ggaaggccgg	240
aaggccattt	tcttggaaaa	gggcgccaag	gccttcccc	cttttctccc	ccttggttgg	300
ccttttcccc	aagaggttcc	ccttggttgg	ccttttggcc	ccaaaattaa	aaaaccttgg	360
cccccttttt	tttttctttt	c				381

<210> 536

<211> 630

<212> DNA

<213> Homo sapiens

<400> 536

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tggaaggat	tcttgggnaa	ccttggaaag	gatagcccat	tttccattac	caaggcncca	120
ttccttttaa	ccccctnaaa	aaaggggaaa	aaaggcctnt	tttggaaagg	ggggcccaana	180
ttggaccagg	aagggattaa	ccatnaagna	aaagttttgg	ggaaaattct	tgccaaattg	240
gaaaagcctt	ggggattttt	taagggaagn	ggcgttttac	cccccacacc	tnggaaaagg	300
tttaaaagg	gatttttaacc	ttttggggcc	ttggcccat	aaggccaatt	aaaaccaaaa	360
ttggaaaagg	tggaaccttg	aaaaaaaaat	tcccaagcaa	aattttttcc	aagggaatta	420
aaattcttaa	ttctttaacc	tttttaaaaa	accaatnggt	tttttaaaaa	aggttaattg	480
ggtttttttt	gggtgttttt	ttgggccaag	gnaacctttt	tttttttttg	ccaatttaac	540
ccttttttaa	ttttttttcc	tttaacccaa	tttggggggg	gttttttnaa	aaaaatttcc	600
cggaaccct	tnggggtttt	tttttttttt				630

<210> 537

<211> 258

<212> DNA

<213> Homo sapiens

<400> 537

agtgcctgtt	cctgcctgct	cggtgactga	gctgatctct	ctaggaatga	cctgtgtgct	60
gatcaagccg	acacgtctct	ttgcttcccg	acgtcctgat	atggcagcaa	agggtggtag	120
aatgaagtca	ttcctgcaaa	agaagctgtg	agaggaaata	cagatgcagt	ggctgaatat	180
gaaagtgtt	atgttcccaa	aggaagaaaa	tgctaaatct	caattagagg	ttggaagaaa	240
taatgacgca	gtcttttt					258

<210> 538

<211> 758

<212> DNA

<213> Homo sapiens

<400> 538

ggacgtttct	gggggggaag	cctacccttg	gccatttaaa	aggttcaagn	aaaaccttgg	60
aaggaaattc	cttttttgg	taaaaaaaaa	atgggggaag	ggaaaaggac	cccaattccc	120
atttttcctt	ccaaaccaat	tttgggaaaa	ccccaatttt	gggggatttn	cccacaattt	180
aagggaaaaa	aaattttggt	tanaaaagg	ggccccacaa	ggaaccccc	ncgggggaat	240

tataaggggg	aaaaggggg	aaattttttt	tcntttcccc	tttnggaccc	ccccccna	300
aaaaaggaaa	cctggggagt	tcntttttcg	gcctttngtt	gcccaaagg	cccaancctt	360
ggggganaaa	naaaaatttg	ggggacccgn	ttaacccttt	tttttggttg	ctttggaacc	420
ctttacccaa	acccaatttt	ttctanaagg	gaaaanggga	agggggtgnc	ccncccttc	480
ctttttccat	ttccaaattg	ggtggggggg	tggggaagg	aaanattttt	ccaatttggt	540
gggggggggg	ggggggccct	tttcengnaa	aaaaaaaatt	gnggaaaagg	gaaaaaaggt	600
nccnttttta	atttgggccc	ccnctttttg	ggcnccccc	caaaaaaaaa	aggnaaaaaa	660
ttaaatttgg	gncccnnttt	tttnccnccg	ggaaaaaaa	gggnaaaaaa	ggnaaatttt	720
aaannngccc	ttnggggggc	tttggtttcc	cccttggg			758

<210> 539
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 539						
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caggatggca	gagcagttag	ctggaaggag	tctggctcct	tgagaaggat	ggagccccc	120
caccacaagt	cccggactgn	ctgctttact	attcagcctt	aacaaagaag	gaaatcctgc	180
cattggcaac	aatgtggatg	aacctggagg	acactgtgct	aaataaaata	agccaaacac	240

<210> 540
 <211> 516
 <212> DNA
 <213> Homo sapiens

<400> 540						
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ggggaaattn	cannacacaa	gaactctcgc	tggttgggat	cttcagaaat	cgttctcctt	120
ggntcntcaa	acgcnaggac	tactatgctc	gccacccatc	caaatcgctt	gcgcgtaaga	180
gggtaatattc	ctagagcgta	agctnancca	ttnancattg	gctacacacc	acaaancgcc	240
acccggnggg	gtgatanaat	tttttggnc	attaanattg	gacttngggg	aggaatgnnc	300
anctagctct	tttacaatta	aaaattgggt	ttaggacctc	caaattggcg	tgaaagtaaa	360
tatanaaaaa	cgttggcctt	ggggggggcat	actaaaaaat	ttgccctttc	gcaatctcat	420
aggaagacta	tcgagccccc	ntntacgcaa	gnaactnttn	gcaaangggg	caatttaaag	480
acaccaacgg	cgaccaatt	ttgggaaggc	cccctc			516

<210> 541
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 541						
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tattccta	tctcatccat	aactgaaaag	gttaacattt	caaattggg	tacagaatag	120
tgatgtcact	ttcctatatt	catataccaa	gtcaatgttt	aaaaatagct	tatgttcagg	180
agaatggcgt	gaacccggga	ggtggagctt	gcagttagct	gagatcgac	cactgcactc	240
cagcctgggc	gacagagcga	gactccatct	c			271

<210> 542
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 542						
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gtgggctatg	catcttacct	gcttgagcaa	gagaagaaca	aaggatatct	acctggacag	120
gtgagaattt	atatcattga	aagcttcac	ttgattcact	gagtgtcatc	attcatgctg	180
cattcagaag	aggtgattca	aatctccaga	ataaagtgtc	atcatcaatc	tcacatattg	240
gtatgctcga	atagacagca	tttaccatcc	tcctaatgt	ggaaagaaaa	ataaaaaatg	300
agtactaacc	atttgctttt	tgtgttaaaa	a			331

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<210> 543
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 543
 gaccatcttt aatcaaactg aattaactgg cctgtgcaga ctgtctttat cctctaagat 60
 tcagggatac tggcctgtga gtttcagcac cgactttctg gaactgtaaa g 111

<210> 544
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 544
 ccaattactt ctgactttca agactcttgt atttcactgg cttagggaaa atcaagctaa 60
 gccctaagt atggttggat catccatcca gttctttgct tcctctagct gatatccttc 120
 tttgctgtac tatatgggaa aagcaagaaa tattgtgaca ccaaaaggga ggagttttgc 180
 tcttggtgtt ccagctggag tngcaatggg cngcngatac tcagnntcac ntgcaacctt 240
 ctgcctccct ggggtttcaa gtgatttctc ctgccttacc ctccctgnag ttaagcctgg 300
 ggggaattaac aggggccacc cttgccacc caccgcccc cgggctttaa attttttttt 360
 ggcaattttt ttttaaga 378

<210> 545
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 545
 ggccctggga gagtgggttg agagaatgga agtgaagagg aaggcttcac catcacctta 60
 actaacatgt gtttcttacc gttaaataaa cattatagga ggcgcattat 110

<210> 546
 <211> 70
 <212> DNA
 <213> Homo sapiens

<400> 546
 gtatattagt tcttatatga atgacacgaa gaaacaatga aattgaagga aaggaagatg 60
 aacgctaagg 70

<210> 547
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 547
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 gagggatggc ttgatggtgg gacttcagga gaagaatacc ttctgtctcc atcccccttc 120
 cagctcccct tccactgag agccacttcc attggcaata aaatcctcct cagtaaccac 180
 c 181

<210> 548
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 548
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 gccatcgcat cccccgtgac ttgcacgtat accgcccaga tggcctgaag taactgaaga 120
 atcacaaaat aagtgaatat gccctgcccc accttaactg atgacattcc accacaaaag 180
 aagtgtaaat ggccagtcct tgccttagct gatgacatta tcttgtgaga gtccttttcc 240

tgggcttcat	cctggctc	aaaagcacc	ccactggagc	atctttgcga	ccccacttc	300
tgggccgnca	ganaacaaac	cccccttttg	actggaaatt	tc		342

<210> 549
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 549						
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aaaaaaggga	acctttttaa	aaggcctttg	ggaattttcc	cccccaaccg	ggaaaaaaag	120
gccaaggtt	ccaaaaggna	attggcccaa	ggggggggaa	anggcaaaag	gnggttgant	180
ttttggggaa	gnaaaaaccc	ttttaaccgc	caaccttggg	cccccccttt	ggcccaaaaa	240
aaaattaatt	nggtttcccc	cttcggg				267

<210> 550
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 550						
agtttcgctc	ttgttgccca	ggctggagtg	caatggcacc	atctcggctc	accacaacct	60
ccacctcccc	agttcaagcg	attctcctcc	cttagtagag	atgggggttc	accatgttgg	120
acaggcttgt	ctcaaactcc	tgacctcatg	atccgcctgc	ctcggcctcc	caaagtgtgt	180
ggattacagg	catgagccac	catgccccgc	ctatctagca	ccttttaaaa	gtctgaatgg	240
gaaacatttg	ccacctattg	cctctaaggg	tggccaccta	tgagacttca	tctacattaa	300
taaaactaca	tacaatttat	ctacataata	a			331

<210> 551
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 551						
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attcaaatag	gaggtggaag	aggaagtgtg	ggagtaatta	ctggattaag	atcactgaaa	120
gacaagattg	tctttaagga	aacagaagac	tgagaagaaa	agaagcttgc	tcaaggtcac	180
atagagctgg	aattttaaat	cagatctatt	atactcttaa	ggactgtgga	aggcttttag	240
agcaaaatct	gatccagaga	ctgtggatgc	tggaggagcc	gtcaaggctg	gggaaagtaa	300
acatgcactt	gtgttcgcaa	tcaacagaaa				330

<210> 552
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 552						
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ctacagtcca	ttactcacag	tgccagcaca	tgtttcttta	aaaagcttca	tcaccatcct	120
cctgcaatgc	gaccttcacc	ggctccccgt	tgccctgcca	ggaggataaa	gtccaagtgc	180
tcctgtggaa	agaagaccct	tcacacgcta	gtcccagcct	gtcttcagcc	cagccccgtg	240
tgtttctttt	cctgccttat	cctaagacat	ccttaccttt	caatcacact	cacttttccg	300
aagcattttt	gaaggtattg	aggagattct				330

<210> 553
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 553						
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ttccgacaat	agttgtttgt	acctctttgc	ggcaagaaca	gtgatagaac	agacattatc	120

atcaggagaa	tcagctcgtg	aaagccacnt	tcttggcaca	tcaaaggaaa	acctggactt	180
tgaattctct	gtgtgatccc	aagtaccaga	acagccgccc	agcaggggct	ctggaaatgt	240
gccctgaaag	aactcagaca	acaggagacc	ctccttcage	ttncagggct	tgctggccat	300
ttgcacacag	aaggagcag	ccttgtggtt	tcaaaggg			338

<210> 554
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 554						
gaagctgtca	aaaatgtttg	aaagtcactg	cacaaaagaa	gagtcaccac	tggtcagttt	60
tgcaagtactg	gctaaagcat	tcagatgccc	caagagtcaa	aaacacaata	acgaaatagt	120
gagactccga	ctcaaacaac	aacaacaaca	acaactctca	tctttttgcc	tataaggaat	180
tattcttggc	ctctgttgta	caacttcaag	taaaaggacc	taacctactt	agaagggg	237

<210> 555
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 555						
tcagctacgg	tgaagctatc	taaaccgggtg	gctctatgga	cccagcagga	tgtctgcaag	60
tggttgaaga	aacattgtcc	gaatcagtat	cagatctaca	gtgagtcatt	caaacagcat	120
gacataactg	ggcgagccct	gctgagactt	actgacaaaa	agctcgagcg	aatggggatt	180
gcccaggaga	acctccggca	gcacatctta	caacagggtgc	tccagctgaa	ggcgagagaa	240
gaagtcagaa	atctacagtt	actcacacaa	gcattattct	gaggggttct	tccattaaac	300
accggnatgc	cnttccaagc	tgcttgcct	g			331

<210> 556
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 556						
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gaagagcggg	agatcgctgg	acactcgccg	ttggcatcat	gtgggggtgct	ccatggcttc	120
caattggcca	aattcttttc	agtgttaaaa	tgctgttaaaa	tataaaacgt	atgtaatttc	180
ttgacaaaaa	ataatactat	ttcagggttg	actctttt			218

<210> 557
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 557						
gccaaagaac	anggaggaag	actgagaaag	aacgtgaagg	ccatctcttt	cccacaggcc	60
cttcgcagga	ggctccggac	tgctccccgc	actgcgagat	gcctctgtga	gccgaggagc	120
tgtaaaacac	gcagcgggcg	gcacatggga	tgccggatgc	caagctgtgt	gcatgggaca	180
gactgagcaa	cccaaaggag	cctgctgtcc	catcaagcac	gtggcagtcg	gggcatccca	240
tggaacaatg	aaccgtgcat	tgtgagtcca	tgtgatgaac	cagcgcatcg	ggagccacnt	300
gggtccttcc	cttcaccctg	catcagtcag				330

<210> 558
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 558						
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atgggaggta	gaatcaaaaag	taccagagcc	caagagccgt	ggaagatggc	tctccgattg	120
ccttcagaca	agcaccctta	cctgaatgct	tgagaataa	acagactgcc	tg	172

<210> 559
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 559
 aggagaatac aacgttttgag atggatgagt aatctgctga agatcactga atgaatgtgc 60
 aaggaaaacca taacataaat ccatgtctct ttctactact caattttttc ctgttactaa 120
 tatcattttt aaaaataata tttatggggt tacaatttat gtttaataag ctttaccat 180
 tttaccacgt tatgacccaa caagaaagcc ttcaccagat gcggccactt gatgttgaa 240
 ttcccagcct ctagaaccac aaggtcagca taatattttt caaactcatg catgctcctg 300
 catatatcaa tagcctcatt tggttttttat tgcagt 336

<210> 560
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 560
 ccaacttcag gactgattga tcatgacttc tataaaggag caggcagcaa ttagcaggct 60
 cttaagtttt ttacaggagt gggacaacgc tggcaaagtc gcaaggagtc acatcctcga 120
 caagttcatt gaaaccaacc aaggcaagac tgcccctgaa ctggagcagg agttttccca 180
 gggagccagt ttgttcctgg tacgcttgac caccctcgctt agaactcactg acttacacct 240
 atgggtcccag ctgcttgga ggctgaggag ggaggatcac ttgggccttg gagtttgaag 300
 cttgcagtga gctatgatca caccgctgtg ta 332

<210> 561
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 561
 aaatcatgcc caagttcaaa caacgaagac ggaagctaaa agccaaagcc gaaagattat 60
 tc 62

<210> 562
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 562
 accagctaga ggtttatcaa ttttgggacg tgctccatc tcatctctc agactcgggtg 60
 tttcaacaat ggctttgctc ctcatgcacc tctctctgga aggatccctc aatggatgag 120
 tacacctgcc tctggatggc acatgaagcg tgggggcaga atcaatccac attgctgtct 180
 gaatgtagta ccaactgctag aagcagggtca atcaacaacc aggcctacag gaggagggag 240
 gaagaagaga ggctgctcta tgtctctctt ttgccccttc ccacacacag taagatgaag 300
 atctctttcc ttgcaccct cagtctcctt tg 332

<210> 563
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 563
 gaggcagctc tctccagtg cggccttgga aggagatcct acggctgcca ccaggcgcac 60
 cgcattccct cctctccatn cttgatgcc gagtcttccc ggggtgtgatc tgcttatcac 120
 ncgctccctc tgaggacagc tctgaagacc agcttctctg acttgactg tgagaccagt 180
 ggctgggtctg tttccgttga gtnggggngc cctctttgac tngaccacan tttccttggg 240
 cccatttctt tttcccttc cccctttgaa gaaagtctac ttggncctnn ggggggcagg 300
 ggggggta 308

<210> 564

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<211> 354
 <212> DNA
 <213> Homo sapiens

<400> 564
 agccagcccc acctcccagc ctectcggca atcagcgtgg ccgtgcgcct gagttctagc 60
 caatgggaga aagtgaagga ctccagagcc cctggagatg gaggatggag gagcctgggt 120
 tcttgnatcc tcacatggaa tgccagccac aaattggcat ttggactcct atatggacaa 180
 ggaataaatt taaatccat taaggctggg tgcagtggct catggctgta atcctactgc 240
 ccttagaaga ccaaaagcag ggaagatcac ttgaggccca ggagtttcaa aaaccaagcc 300
 ttggaccaac attaatgtag accccgtctc tacctaaata aataaataaa tcta 354

<210> 565
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 565
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 aacagaaaac accgtcttct tttttgacta catctgtcct cagagatggg gctgatggat 180
 ccatattataa tttatgtgaa tttaaacctt tgcaattttt acatggaata aaaggaccta 240
 tttnttgaa agaaaatgct gaacaagagc tganaacctg ggggccatct taangcaggg 300
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<210> 566
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 566
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 attnanacgc tcctttactc ttttagacat aagtgtntcn attgntaatn aantntttt 120
 tccaggcccc nccccngtt cattnttgca aaatggactg ngcctcngac ntcctcnaa 180
 aatgttcaac ctt 193

<210> 567
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 567
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 ggaaggaaag cctctgccct tcagacttct tcatccctga gttgagtttc atggaaaagc 120
 agcctctggg agtaacaagt acagatgcag tttcaccatg ttagccagga tggctctgat 180
 ctcttgacct tgtgatccac ctgcctcggc ctcccagagt tctgagatga cagggtgtgag 240
 ccactgcacc tggccaataa ttttattttt aaacatgtaa gattctatct ctgaataatt 300
 agttaaacct 310

<210> 568
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 568
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 acactatctc caaggcaaat ggattcccca ggcagatgag aagatcacat tactcatggt 120
 caaaatatta cccagttgc acaagtattg tggaattttg tgcattngnn ggnagacaac 180
 tggttcttta tcttcttcca atgtcaaaaag taaatttggg gattataact ttggcaatat 240
 attttaagca gaattagtat attatgtaac atgttttatg aacatncctt attaaaattt 300
 tgggttatgg actcctt 317

<210> 569
<211> 338
<212> DNA
<213> Homo sapiens

<400> 569
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cacagaactt caccattggg ctatgcatag tgctgcttta ttggtaaaac aggaagatcc 120
aatttacacc taaccctatt tcatgttttg ccaacaatgt atccatggaa ggacccttca 180
tgtgagattc caactgcatt ctaaactctc agaggacatt ctgcatgccc tggggtgtaa 240
gcaactgccat gagatgtaaa tcccttgtag agaacagcaa gtaggcagct tnaccttggg 300
cttcaccacc ttcatgaaga ctctctgac caacgcct 338

<210> 570
<211> 464
<212> DNA
<213> Homo sapiens

<400> 570
tatccgcact atgaaagttc ntgaaccaac cgactacttt agnaggaaac aaatggncat 60
tgatgtcctt ccccccggg taaggcggac agtgcctaag acaagaaaat ttccgggggaa 120
anaactngcc caaaaatngt tacaaaggac ccaccaccgg gtatgntcat cttttgtatt 180
ttggggattt canaaanntc atttttttgg ntgnnggggg gcnaaagnac aaaacnttgg 240
gcttttttgg gcnantgaat tttttatttg aatttcccc ntggggattt tatttgccca 300
naaaaggaaa aaaaaatttg aaancccccc aanaaaccat tntgaanctt ttggccaaag 360
aaanaattng ggcccntngt tttttgngat ggaaanggna aaaaaagggg accccttncc 420
aatgtaaaaa aaggcccaan ccccgaaaaa ggggggaacc cgcc 464

<210> 571
<211> 358
<212> DNA
<213> Homo sapiens

<400> 571
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cctcctgggt tcaagcgatt atcctgcctc agccgccccca gtatctggga ttacagcagg 120
tacctgctac ttctcatgct tcattgtgaag aacaagatct ggggtccagct caacaaatac 180
ttgaacaaag aatgaagtaa gcagaccagt gtaaagagaa tgctcctac aaagttcaga 240
ggcccaggag atagaagctg gtaaaaccat tcaccaagaa gccaaagccgt ggaaaaaaag 300
ganggggtgcc ccaccagga aatgactgca tgcaaacaga gcttggttat agtggggc 358

<210> 572
<211> 348
<212> DNA
<213> Homo sapiens

<400> 572
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gactaacatc caaaggcata gaaattgaca gcnaatacnc aataaaacag gaactcccag 120
atcgaatgcc cacgtggaaa agtcatngag agagaaactg actcaaagca tccgctgtgt 180
tccggggcca tttgngnggg caggatgggg gttaccgagg agtggtnttg ggccatgagc 240
acgggcgngc ggggtgatcct cacctcccaa ctgggggtgcc ttcaaaaact ttagtaaac 300
tccctgtgac tncgcttctt cngaacacn gtggnntgcgg gaggattc 348

<210> 573
<211> 360
<212> DNA
<213> Homo sapiens

<400> 573
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cagaaaacca agcactgcat gttcccactt ataagtgaga gctgaacgag cagaacacat 120

ggacatatga	aggggaacaa	cacactctgg	ggcctgtgag	gtgcagggag	agcatcaaga	180
agaacagctg	gtgggtgctg	ggcttaatac	ctgggtgatg	ggttgatctt	gtgcggcaaa	240
ccaccatggc	acacatttac	ctatgtaacn	aaccttgaca	tcctgcacat	tgtaccccnng	300
gactttaaaa	ataaaagtgt	gncaaaaaga	aaaccttaac	ttacttttaa	aaaaaaaggt	360

<210> 574
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 574						
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tcttcacaga	gaaagcaagc	ccagcccatc	cccacagctg	gctccctggg	gcccattctg	120
aaaggctgga	cccatacctga	cctgtccctg	cccgaaggac	tgccctgggtga	gggatggcctt	180
accaacactg	tgactcagtc	cttccaacat	gccaacagg	tcaattctgg	gatattcctt	240
acaggaatta	atgagagcac	attgccggta	atgttggcat	taataaaaata	acatttaaata	300
ttaaaaattc	cttt					314

<210> 575
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 575						
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ggaagcggag	acctgtctgtg	tgcttgctgt	ggccctaagc	ttggcagttg	gaccctcagt	120
cggccccagt	ctcccgtgtg	gtgtcaccac	gtacttccag	aaccagcctc	atcttgcccc	180
tcagaggtag	ctgtctccagc	ctggtgacac	tccttccgaa	caagttctaa	tctcaccctc	240
ccatttgacc	cccaagcccc	aggggtacag	gcttctctgat	accttaaggg	cctccctttc	300
tgcccttctg	gttttttggt	accagcaaac	agttatttct	attaaattct	ctccatcatt	360
gtg						363

<210> 576
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 576						
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gtttgaaagg	agtctgggtt	ggaggagagc	tacaggcgga	tcaggaacac	ccatcttgga	120
tttgacctga	gtgaaaaata	aactgcaatc	attatgttaa	aacacttgca	tatttggggg	180
gattttttgt	ttatcttctg	aaaatgcnca	ttaacctcta	ttgtcataat	aaaaatcctt	240
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<210> 577
 <211> 85
 <212> DNA
 <213> Homo sapiens

<400> 577						
aaacaccaac	cattgaggtt	gagaccattt	ccagaggaag	aagcatgggg	ccatcattta	60
ttaaaattta	tgaaatgttt	tgcgt				85

<210> 578
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 578						
ttcttcatct	gctgactatg	aaacgattct	agattgtttg	ccaactaaat	gtgatgcttt	60
cccaatcaac	tacggcaggc	cagatggcac	tttcaattct	acgggctccc	tctgtggtgg	120
gtaaacgtgc	agagaagact	ggaacactgt	cttcaggagg	cctaggttac	actgatccca	180

gcacagcact	tcctaccaag	taaagatcaa	ttttaaaaaat	gaatgaagtc	aaactgaaaaa	240
gctcccaatg	gccaaagctg	gaacaatttg	agcaaagaat	aaaggatatgn	tnggnttnta	300
ncccaaga	caaaataaat					320

<210> 579
 <211> 652
 <212> DNA
 <213> Homo sapiens

<400> 579						
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ngaacaactt	ccctaattct	ngcccatccc	cttcaagcca	atngcttaata	ccaacttcaa	120
agccttttct	tccaacaaa	acaattcccc	cttngcttca	aagccaaaac	ttactgggg	180
tttttngtgg	ggggccaaca	accaagaaaa	gngtggcccc	caaaagcccc	ccctngttgg	240
cggaaagaaa	aaaggggttc	cttggggcaa	gccccaaaag	ttggcctttt	ttggaccaat	300
tggccccaag	tnggttcccc	cttgggggaat	gggggggaag	aataaccccc	aaacccacca	360
aattcccaac	ccccccaagn	gggaaggggt	tgggggtaac	caaaatttaa	ccaaaaccct	420
tgggggggaa	ggaaccttgg	ggggggggaat	tggaaaacccc	ggggtttttc	ctttcccctt	480
ttttcccng	ggnaaaggcc	nttttttccc	cngggnaaaa	nttggggggc	caatttgggt	540
tnggggggcn	tttttttttc	ccccttggn	gggggaang	gggaaaaaaa	cccttggggg	600
gggggggaaa	aagnaaaaaa	ccccccaang	gggggggggg	aaggaggatt	gg	652

<210> 580
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 580						
ggcaaggctg	tgctttaatc	atcttcgtaa	cccaagtgtc	gatcagcgaa	ccaaatacac	60
acagaaatac	cttgcgccct	ggttgctttt	ctgtgctaga	atcactccag	acttcaatca	120
tcagcctgct	acaagccact	cccaagcctg	ggacttaatc	gccagcagaa	agcaggtcca	180
cacgtcctct	gttacctcct	ctagatgcta	aggaatgtga	ctccaagaag	attcaaatag	240
caggatccta	cagcgttctg	ccatcatctt	attcaacaaa	agtcttttgg	tttnacaaan	300
acccattcat	atct					314

<210> 581
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 581						
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gaagctgttg	gggccatgct	gttggggcca	gagcctacgt	atgcaactgc	tccagtgtgc	120
atggggagaa	agcaaccac	atcgactgct	gcaatgagac	agctgctttt	cctgtgtttg	180
ggcaccgaat	catctcatca	gccccactgt	gcaagttttc	tcctctccat	ctcaaagatg	240
tgggcaccga	gcctcccatg	gaataagtaa	tttccttggg	gtcacacaa	ttanctaagn	300
ggcagccctt	nggatccaaa	ttgtaaag				328

<210> 582
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 582						
ggtaaaacac	cctcaaggat	gggcactgca	caagactgta	acaacaagga	acgtggcttt	60
gcacctccc	agcaacaaag	tctaccacgg	atcccccccc	actctgattt	cggctcagcc	120
gagaacttga	aataacgggc	ccactgcctc	tgctccacga	ggatccatgc	catcatggca	180
ctttgggagg	cctgtcacga	gttacacagg	cctaggctgc	ccacacccca	gctcagcaga	240
aaaagagaac	tgcaatccaa	gtcagacaga	tcctgcctgg	gcntttccgc	aaaaagcctg	300
gagagtctga	ccagcaaaaga	aaca				324

<210> 583

<211> 238
<212> DNA
<213> Homo sapiens

<400> 583
gttctgtttt aaaattcttc cagtgtccag ttgccaatgg gattaaaagg aaaacgatga 60
ggaaaaagtt atctgaggtc aatctgcaat ggaatatgtt ctttctctgc ctgcttagat 120
gtcttctgat agtcacgaat tgatttgtag tcatacttct gtaatatcta tatgcatgtg 180
aagcactgtc tgatgttaaa atataaacat catctatagt aataaactga gacactgc 238

<210> 584
<211> 427
<212> DNA
<213> Homo sapiens

<400> 584
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ctgaagtcac aggtaatgtt atttaggaaa agtatctctg caatacacat actcttttag 120
tacaggtagt aggagctagt taggcttaga gcagtcctac ctcttagcca tcagtacacc 180
aaccaagaac catctttacc ataggaagag gaaagaaaga gccaagagng naagcctagt 240
ctagagtcta gagtaggatt aatntaccaa gccatagggg attttattcc tagtagccac 300
caagttttcc tccaaaaagg aaatccaagt ttagngtngn ggaaaaggaa atttcaaatt 360
ttgnggctta ttttgcccca ttttggtaaat tccaaccacc tttttcccc aattttaatt 420
ctccaat 427

<210> 585
<211> 459
<212> DNA
<213> Homo sapiens

<400> 585
gtgggatgcc tccatgagct ccaacaggca gcctcgccgg cctcccagct ctgctcagtt 60
gctcagcacc ccatggagaa ggtgaagccc ataatgaaca cactgccctg gccacttact 120
tcctccaacc aaagaagccc tcactctccg ggccctagacc atttccggag accagcttgt 180
gacagagcca caacctccgg tcactctgtc agctatctgc agttcctcct ttttcccttc 240
ctctctcccc tcataaacia tgactgttga tgtttccact agctacagat gctgatgcca 300
agattagctt tgggtcaagat gatattctcc atcctccaaa acaatgacca aaatgtttta 360
ttttatggct aggaacttta ctttctttca tatgaaatat ttaatgnatt tttcactgng 420
ctcatttttg ntttgngngg ggataggtta tagcaaaac 459

<210> 586
<211> 433
<212> DNA
<213> Homo sapiens

<400> 586
gagatgggga aacgaatcca gaggttaatg atatgtccac cataactcaa ctatcaagat 60
cctcaagtca gtgctctttc cttcatgtcc tcaggagttc tccagggaca ctgtaaagat 120
gagaaggagg ttgcacggtc tgaatgtttg tgtccttcca aaattcacat gttaacactg 180
aatcctcaat gtgatagtgt taagaggtgg ggccgctggg aagggattag atcatgagga 240
cagagcccta atgactggga ttagtaccct tataaatgag gcccagaga gctgtccctt 300
ccaccatgtg aggattcagt gagaagggtg tgctgatgaa ccagaaagca ggccctcatc 360
agagaaagga tttgccagca cctgatctt ggactttcca gcctccagaa ccatagtaaa 420
tatacttctg ttg 433

<210> 587
<211> 525
<212> DNA
<213> Homo sapiens

<400> 587
ggtctctctn tgttgccag gctggagtgc agtgggtgca tcattggtca ctacagcctc 60

gacctcctgg	ttcaagtga	tctcccgct	cagcctccca	agtagctggg	acttcaggca	120
cacaccacca	tgcttggtta	atctctgcat	tttttataga	tacaggggtt	tgccgtgttg	180
cagactgac	tcaactcctg	aactcaagcg	atcctcttgc	ctcagcctcc	caaaccgctg	240
ggattacagg	catgaaccac	tgagcccgag	tgccctttcac	acttctactg	tgcattagaa	300
tcacccaaa	agcttggtta	gacagattcc	caggctgcaa	tcttgagggc	ctactggctt	360
agtagctctg	ggctgaggcc	tgagaatatg	cattcctaag	aaacctcagg	tgaggctgat	420
gctgctgtgt	gtggactgct	angctangac	angggtttnt	tttttcctaa	aaaanggggt	480
aaattttttg	accncaantt	tnttataggg	tatttttaaa	aggga		525

<210> 588
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 588						
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atgagaagtg	cccctataag	agaaagacga	ggagaagaca	cagacgcaga	gaaggcgacg	120
tgaaaatgga	ggtaggacatt	gaagtgcgc	agtcacaaac	caaggaatac	ctggagccac	180
tggaagctga	aagatgcaag	gaaggattct	ctccttgagc	ctttggagag	aatccggctc	240
tgccgacacc	ttgatatcgg	gctgctggct	tccaaaacat	gagagcatat	atctctgttg	300
ttttcagccc	ccaagtttgt	agggattggg	tacagctgcc	ccaggaacat	aatacatgat	360
tgaagaccag	cttttaatat	acaaacccta	gtacaaggca	ctgcaaacct	cagagatctt	420
cacacaaaaa	ngnnatttta	accnctttta	aaggnaaaaa	atcttttttc	ccncccntnn	480
aaagggnntn	ncccnaggnc	cttgaggggt	tataatataa	gagg		524

<210> 589
 <211> 551
 <212> DNA
 <213> Homo sapiens

<400> 589						
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gcttgcttcg	agtcacagga	agcaagaaaa	cagatctgat	ccccctgtgg	agtgtggagt	120
aggggcactg	cccttgatgg	tgaggagtga	accaacttgt	ttgcagataa	gattgccgag	180
acaattccaa	tggggaaaag	aagtctttcc	aaacatgctg	ctgggacaac	tggaatctta	240
catgcaaaa	aatgaacttg	aactactatt	tcacactata	ttaaaacaat	tatcaattat	300
tttgtgactg	aaggcaatta	agaagcagca	aatggaaaaa	gctctcgctg	tcttccccct	360
ttctgcctca	aggnaggata	taaattctcg	tttactggac	acaactctag	actctattca	420
cccnagaaa	gcaccncaaa	aatatnttna	cnaacgcttt	tntttttttt	tcccccccca	480
ataangtttt	tcccccantg	gtttcccccc	nnaaaggaaa	agggttccct	ttggccnngc	540
atTTTTTTT	a					551

<210> 590
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 590						
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aacatgcaga	gacagagtct	cactctgttg	ccaggctgga	gtgcaataat	gccatctcga	120
ctcgccgcaa	cctccacctc	ccgggttcca	gtgggtttcc	tgcatcancc	tcccaagtag	180
ctgggactac	aggcacgtgc	caccacgccc	agctaatttt	tgtattttta	ggggggacag	240
agtttcacca	tggtggccaa	gatggtcttg	atctcttgac	cttngnatcc	gccacctca	300
gcttcccaaa	gngntgggat	tacaggcatg	agccactgcg	cccagcccat	acataagaat	360
tttaagtcnc	nncatgcctc	cnttantnaa	aaaaccttnt	taggaaaaga	gaatcagatt	420
ttttcgttgg	agtgcctaca	atggatgaat	ccttttagca	tcattatctc	attttaattt	480
gcaagccaat	ttttaagaaa					500

<210> 591
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 591
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actgtggggg acctctagga gctgagagca gccccacct gagaaccagc aagaaaatag 120
agaataagcc tggaagcaac ttttcccca aagcctccag acaagacctc agcctgacca 180
acgccttgac ttcagcttgg tgatatcctg ggcagagaac tgagccatgg cttgtcatgc 240
cagcattctg acctacacaa ctgtgagcca gtaaacaggt gaaccagtgc ttgattagct 300
acgtttcctg tttctgcatt ggtgatcatg gaaacaaatg ctgagaagga gcctctgctg 360
cctgggtacc gtgaatgacc acggtgaaca agagggctca gtaagggaacc ctgcngactg 420
ggtttaacta ctgtagnngg ggnngacaat cttntttttt aaaaangggg gacntttggg 480
gaaaaaaan tttcccntt gggggntgga aaaaaaaccc acccag 526

<210> 592
<211> 521
<212> DNA
<213> Homo sapiens

<400> 592
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accatagaga aaatccagggt tcaataaaaa ggctaataat tcacagaaat atcctgggat 120
caaagagaag accctgtggc ctcatggac attagtaggt gccttggag aagcagaggc 180
aggagacaca aaggacttca agtgattgga acaagaactg tagaagacat acctaagcac 240
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ctcaggggtg ccccttgca gctctgctg agtcaactct ctgcttgga gcctcttgct 360
catagctgac tcagggcaga aaggtgattg attgccttaa gagccttccc ctgacctctc 420
actcggntnt tctttcttcc cccaccttnt ttcanaagnc cccntaaaaa cccaagggtt 480
tttccaaaag gccttttttc ntttgcaaaa acaaaaccag t 521

<210> 593
<211> 392
<212> DNA
<213> Homo sapiens

<400> 593
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tgctgtccc cagacccggt gtggaatcag tgctcccagg ttcttctggt taatacaaca 120
gagcaaattc ctgaaggctg ccgctaaaaag gcagaaacca ttactttcca actatctgat 180
acggnnttggc tgtgtcccca tccaaatctc atcttgaatt gtaactcccg tgattccac 240
ccccaccca aaatctggcc attaaactgg ccccaaaact ggccataaaa aaaactctct 300
gcagcactgt gacatgttca tgatggcatg acgcccagtc tggaagggtg tgggtgtacc 360
ggaatgaggg caaggaacac caagcccacc ca 392

<210> 594
<211> 460
<212> DNA
<213> Homo sapiens

<400> 594
gtttttcaga cttcctgaca tggcaactgg cttcaaagag agcggaaatg gaagttgcca 60
gcgttcttaa gacgttgatg tttttcaagt tcattttgaa attcccttct ctttctttat 120
tcaagaagat caacacacag ctaatcatca ccacaaagag tactgcaatc aatataagaa 180
tacctaccct cctgggtaca agccaaggct ggcttcccag gaatcctcan ggtttgccag 240
cctttgtgcc tgtgccccac ttccctcttg aggtgtggtc ttggactgaa agggcgtgac 300
ctctttggat ccactttgga aatcctccag cttcttgcaa ttggttttat taaaanacca 360
ttntgcnttc ttgggnaaaa tttaatggcc ttctcttntt tgaacttttg aaattctttn 420
attgaaaaaa aaaaataaaa ancccnnggg tttttttggg 460

<210> 595
<211> 466
<212> DNA
<213> Homo sapiens

<400> 595

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agcaaaggca	tcacagaaag	ggaaaattaa	cagttccatc	ttcaaggggc	atgtgtgtgt	180
gtgagtgcc	atgcagatac	acatgtgcta	caagatgaag	tagaagaata	attctcacat	240
gaaggcaaat	cagggatgaa	aagaagctac	ctctacacaa	caaggtgaaa	atctaagggc	300
ctcgagtaat	gtgccccctc	ccaaagcatt	attatttctaa	gggcagaact	gaactattag	360
gattacattt	tcaatccaaa	atttignaatt	aaatgnaatg	ggnatttttaa	aaaatgaatt	420
aangggcccg	gaaaangggg	nggtttcaca	aaacattaaa	tcactt		466

<210> 596
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 596						
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gtaaattttt	ttgaggaggt	gtctccatgc	ttggcatgaa	aaccagggga	ggaaaataca	120
agatgcccta	ctgtgnacag	tgaagtgggg	ttttggaaga	tgtgctccag	agaacggcgt	180
ctggggcccc	acaatctccc	catgtttgcac	agactctctc	tgactcctgt	gatctggccc	240
tggctgtcct	ggaatactac	cctctactcc	aacagaattt	ttaattgttc	cacagtgtat	300
ttatgtacat	tgttatctga	gcctctgagt	aaagcaaaac	aggcattg		347

<210> 597
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 597						
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tggtccctgt	gttgtgattt	naacccaagt	gctagtagaa	ttgagcactt	agtttcctgg	120
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 <212> DNA
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<211> 184
 <212> DNA
 <213> Homo sapiens

<400> 604
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<210> 605
 <211> 447
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 607
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<210> 608
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 608
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<210> 609
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<212> DNA
<213> Homo sapiens

<400> 609
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<212> DNA
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<400> 610
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<210> 611
<211> 447
<212> DNA
<213> Homo sapiens

<400> 611
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aagaacaacc agagaaagcc aagtatg 447

<210> 612
<211> 668
<212> DNA
<213> Homo sapiens

<400> 612
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<210> 613
 <211> 270
 <212> DNA
 <213> Homo sapiens

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<210> 614
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 614						
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<210> 615
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 615						
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<210> 616
 <211> 660
 <212> DNA
 <213> Homo sapiens

<400> 616						
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<210> 617
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 617						
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<210> 618
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 618						
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<210> 619
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 619						
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<210> 620
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 620						
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<210> 621
 <211> 312

<212> DNA
<213> Homo sapiens

<400> 621
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<210> 622
<211> 543
<212> DNA
<213> Homo sapiens

<400> 622
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agg 543

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<212> DNA
<213> Homo sapiens

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tcttggcatt ttttgaactt tttttgaaaa 690

<210> 624
<211> 404
<212> DNA
<213> Homo sapiens

<400> 624
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cttatctcaa gctgatttca actcttcagg cagagcttaa ccctttcaac caattgccaa 180
tcaggaaatc tttgaatcca cccatgactt gtaagtccc ccacttgagc ttgcccaacc 240
tttctgcaat gaaccaatgc atatctcaca tattgatatg tcttatgtct ccctaaaaca 300
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<210> 625

<211> 369
<212> DNA
<213> Homo sapiens

<400> 625
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tttgaggag gatgtggcca gtgaaatgtg ggcagaaagt atgtgcacca cttccaggta 180
tggttgacag aaacctgctg ccttacataa tcatctgtct tctttcctct tctgctgtga 240
ctttagaagt ggtgaagatg gcacagccac aagatggaaa aagacaaaac tgcttgagag 300
attcaccac taggaacacc tattttgaac ttgacataat caaaaaataa cttcagttgg 360
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<210> 626
<211> 371
<212> DNA
<213> Homo sapiens

<400> 626
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gtgagatgaa gtcccactat attgccaaag ctggacttga atccctaagc tcaagtagtg 180
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ttgcatactc tatcaatcaa tccacagcca ctaaatacct actgaggtat ctgtgtcccc 300
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gtgatatgag t 371

<210> 627
<211> 561
<212> DNA
<213> Homo sapiens

<400> 627
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tttgagactc tctttcctat gtgatgtcct ctccgtggat tggtttgtga agctgacggc 180
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gagagcgact gtctgggtgga tccaaagtca ggagttgctc gtctaccttg agtccaaaaa 420
ggtcgagaca agcagtcacca gaagtggcaa gagaaagttt ggggaaggcag aaaaaacact 480
cctgangtga ctggtcacct gctcactcca aaaatgttac ctttanggtt aagcttttaa 540
taaaccaagc taataaaatc t 561

<210> 628
<211> 389
<212> DNA
<213> Homo sapiens

<400> 628
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tcctcccacc tcagcctccc aagtagctga gacaacagat gtgtgctatg aagaccagct 120
aatttttctt ttcatttttt gtagagatgg gggctctcct atgttgccca ggctggtctc 180
aaactcctgg cctcaagcaa tctcccacac tctgcctccc aaagtgctgg gattacaggc 240
atgagccacc atgcccagca gagggaaatt tatttagaga gaaaagagga cattcacttg 300
gtgttcttca acagctaacc cagatgacca aaacctctt tcagaagccc ttaacatatt 360
ctgcaacagc aaaaaaagg tgttttatac 389

<210> 629
<211> 204
<212> DNA
<213> Homo sapiens

<400> 629
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 gaagtctgac agatatctaa ctatatccaa gaaagacatg aaaattcatt gatttataaa 180
 ttgcatata aaatgtaaag aaag 204

<210> 630
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 630
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 agtattccct ttggcaccac caccacctg gaacaaagcc tgatgtaaag tctgggtgcg 120
 actcagaccg gcctgggaaa gaatttattt aataaatggt ggaaagtggc ttc 173

<210> 631
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 631
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 aaggggaaca cttaatggct cacgcctgta atcccagcac tttgggaggc cgaggcggaa 120
 ggatcacctg agcccaggag ttggagacca gcctgggcaa cagattgaga ccctgtctca 180
 acaagaaga agaagaagaa aaaggccagg cgccgtggct aatgtctgta atcccagcac 240
 tttgggaggc caagaaggga gaactgcttg aggccaggag ttcgagacca gcctggtcaa 300
 catagcgaga cccccccc atctcaaaaa taaataaatc aaaataaaaa ataaagagg 359

<210> 632
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 632
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 tggctttaga aagcaaaaga aaaatttttt attaagaaat gaaaagaaaa aagacgcagt 120
 atggactcag actgataaac cttttgcatg agagaactat caccatttga aaaagagctt 180
 ttttgcaagg tgtgtgtggct aactcctgta accctggcaa ctcgaaaggc tgaggcagga 240
 ggatcacttg gggccaggag gtggagacca gctggcaatc agcaagatcc tgtctctaaa 300
 taaagaacca at 312

<210> 633
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 633
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 tataagatct cctaaagtgg ctttgcctgga acctctcaca aagaatctca gacttaacct 180
 ccaatagcct cttgagccaa gccaaagatg catctgcact tgcagatacc tacatggatt 240
 tggaaaatcc ctctcttcat gaggcctcag aacaacttga agttcatggg cctgtcagaa 300
 agtggcactc taggccagcg cagtggctca cacctgaaat ccagcactt tgggagactg 360
 aggcgggcgg atcacctg 378

<210> 634
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 634

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gcctagcaga	gttaagcgac	tgtacgacat	gctgaaagg	atcagtgatt	tctcctgcag	180
ccagttccaa	cctgctgaaa	ggaacactga	gaaaatatat	ggactcagta	aacctgagct	240
gcctccaatg	gcctcactca	ctccaaccct	caactttgca	atgctggaat	gctgagatta	300
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cctcaacagg	gcttcgaaa					379

<210> 635
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 635						
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tcaaattggaa	accagattgc	acttggtcac	tgacgaagca	ggagattaaa	caagctacac	120
tgtgtctctg	ggagaacaaa	aagccaaaag	gcacatttat	cacctctgaa	tcacaatgga	180
gtctcactct	gtcacccagg	ctgcagtgcg	gtgggtgccat	ctgggctcac	tgcaacctcc	240
gcctcccggg	ttcaagcgat	tctcccacct	caacctcccc	agtagctggg	attacaggcg	300
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<210> 636
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 636						
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ctcacctaata	cttccctctg	tacgtgtgtc	caaatttcct	ctttttataa	agatgccact	180
catattagat	ttg					193

<210> 637
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 637						
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atagcctgcc	atnngcaaca	tncatggntg	ganctnnaag	acnttannct	gagtgaagaa	120
agccagacac	agaagcacaa	atattgcatg	atcccacttt	tataaggaat	ctgaaatatt	180
caaagtggta	gaaccaaaga	gtggaaagg	ggtttccaga	atagttgctg	gagaaggagg	240
aaatggggag	gagtgtattca	aaaggtacaa	agtgtttata	tgcaagatga	ataaattctg	300
gacaaaagag	ggcctctagt	taacaataat	gttttattat	acctaacatt	ttgctaagaa	360
aatagaactt	acgttaaagt	ttcttaccac	aaaagtaaaa	aaaatttttag	aaattttaaaa	420
ataattgtag	tgagccaaga	tcgtgccatt	gccttcaacc	tgggtgacat	a	471

<210> 638
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 638						
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ggatgaacat	ctcttgatg	gatgggactg	aaactgaacc	ttgaaagata	atgctgagcc	120
tggataagt	ccccaccgtc	cctctgcccc	aattcaaata	cttcatggcc	cagtgcacaa	180
aacttctcaa	aagccccaaa	catctttgtc	taacaggaag	cttttagctt	ttttactgtt	240
ttgacattca	tttcccactt	agtattatgc	ttacttgtgt	attaaccttg	tcacccttac	300
tagactataa	aattctttaa	aacagg				326

<210> 639

<211> 289
<212> DNA
<213> Homo sapiens

<400> 639
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ccactgtagc ctcttgaggt ggcaggatta cagcataagc caccatgcct ggcctcagtc 120
acacttttga aaagaagact atggatctac atgttcattt tgtggtcgaa ttataaccaa 180
cacgccactc tatctgcctc cactctgctt tttccatgcc tgtacttaaa tgcttctcag 240
aatttttaat gtacctccct gccttttgcc atagatttta tactcactg 289

<210> 640
<211> 254
<212> DNA
<213> Homo sapiens

<400> 640
tctgataggt ggaagaagac aactctcaga taagacttaa gactttggac ttgacactgg 60
aatgagttca cagagtgaga gctggtggtt taagaaagcc tggcatctcc cttgatccct 120
ttctcttcat gtgatatgcc ctgttgccctt ctgccatgac tggaagcttc cagtggcctc 180
gccaaagaaca gatgccagaa ctatgcttcc tgtacagcct gtagaacccat gccaaataaa 240
cctcttcata aatg 254

<210> 641
<211> 285
<212> DNA
<213> Homo sapiens

<400> 641
ggancgnagg atgcgtgatc acagctcact gnagcttcaa tccccggctc cagtgattct 60
cccacctcag cccccgagta gccttttgag caggttcagt ctggttaagt ccaanctgaa 120
ttggggccaat tgttttgatt tttaccctgg atgaaatact catatccatc atnntttatt 180
aaccccccat ntnttacaca tntggcngca agtactggga ttcaggcaag agccaccgcg 240
tctagccaat tatacaattt ttaaaataaa ttgaaatggt cgttg 285

<210> 642
<211> 290
<212> DNA
<213> Homo sapiens

<400> 642
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cgtgaggggc tctgtgcaac tgtatgggtc acatgcccat gaaatggccc tgctgctaca 180
agagacaaga aagatcacct ctccctgtatc agttcccata ttaatcaccc cattttgacc 240
attctacaaa tgtaactgt tatgcttggt attaaaaatt catcaagtgc 290

<210> 643
<211> 331
<212> DNA
<213> Homo sapiens

<400> 643
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gaaaagaaaa ggaaagaaaa gaagaagaaa gaaagaagac aaccctgtaa gcttgctgca 120
tcagtggact ctctctttca caaaacattt ttctgtagta tgctatgctg ttgacagca 180
ttttactcac agtagaactg ctttcaaaat tggagtcagt cctctcaggc cttgccaata 240
ctttctcaac taagtttatg tagtattgta attcctttgt tgtcatttaa acaatgttca 300
tagcatcttc gccaggaata gattccatct c 331

<210> 644
<211> 401

<212> DNA
<213> Homo sapiens

<400> 644

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gaactaggag	agagaaggac	gtggacagga	ggaggtgttt	gactagaagt	gcgtccaacc	120
aggccgggca	cagtggctta	cgcctgtaat	cccagcactt	tgagaggccg	aggcgggagg	180
atcacctgag	gtcaggagtt	cgggaccagc	ctggccaaca	tggtgaaacc	ccgtctacta	240
aaaatacaaa	aattagctgg	gcgtgggtgg	gcacgcctgt	agtcccagct	actcgggagg	300
ctgaagcacg	agaatcgctt	gaacctggga	ggcgcagggt	gcagtgagcg	aagatcgcgc	360
cattgcattg	cagcctgggt	gacagagcga	gactctgtct	c		401

<210> 645

<211> 132

<212> DNA

<213> Homo sapiens

<400> 645

gtaaagatca	accatcaaga	tcaaagatcc	ccagaatggc	aaatacatat	gtgtatgggc	60
tcaaagttgg	aagacattcc	tctaccatct	acttattctg	gttatacatt	aaagcatagg	120
aggcatagc	tg					132

<210> 646

<211> 125

<212> DNA

<213> Homo sapiens

<400> 646

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gactcaactg	taaagagaac	acaaagctcc	agtcatagga	gaaagaataa	aataaaaactg	120
ctatt						125

<210> 647

<211> 290

<212> DNA

<213> Homo sapiens

<400> 647

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gggttcctgcc	ttaactgatg	acatttcacc	acaaaagaaa	gtgaaaatgg	cctgttcctg	120
ccttaactga	tgacatggtc	ttgtgaaatt	ccttctcctg	gtcatcctg	gctcaaaagc	180
tcccctactg	agcaccctgt	gacccccact	ctgcccgcca	gagaacaacc	cccctttgac	240
tggaaatttt	ctttacctac	ccnaatncta	tnaaacgggc	ccaccctat		290

<210> 648

<211> 166

<212> DNA

<213> Homo sapiens

<400> 648

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acctcagcct	cccaaagtgc	tgggggattat	anggtgtgag	ctgctccgcc	cagcccagaa	120
gcaaacctta	tattcagtct	cattggatta	aattctatcc	ctccgc		166

<210> 649

<211> 616

<212> DNA

<213> Homo sapiens

<400> 649

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gaaaaa	actt	ttacc	acgct	ttttt	catga	tcttt	gaaca	aggag	ctcta	aattat	catt	120

ttgcactggc	tctgtg	ctcatgtttg	ttgagtgaat	aaataaat	ataaatgcat	180
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tatgtaatca	ggattgcagg	catgttatga	aatactagaa	tagctgaata	ttaaaattat	300
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tttctcagca	tcaatgtcct	catctcaccc	cagtcctagt	tctagtctta	agtggaatag	420
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caactattta	aaaatgccag	agagcaaaca	aaagcagaca	agntagangg	cttcaactca	540
cgaaatccan	taacgtnctg	actggagact	catgcccccc	ccccctgaca	gaagggacag	600
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<210> 650
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 650						
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<210> 651
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 651						
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gcagccctca	ccagacacca	aatcggccag	cccattgatc	ttagacttcc	cagcctccag	120
aactatgaaa	aataaatttc	ttttgtttat	aaag			154

<210> 652
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 652						
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tgacagggat	tgcattgaat	ctatagatca	gtttggggag	tgctgccatc	ttaacaatat	180
taagtcttcc	aatgcatgaa	ccgtataaag	taaaaggcaa	tgtgagccac	tctttactaa	240
t						241

<210> 653
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 653						
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taactgatgg	cntggtcttg	tgaaattcct	tctcctggct	catcctggct	caaaagctcc	180
cctactgagc	accctgtgac	cccactctgc	ccgccagaga	acaaccccc	tttgactgta	240
attttccttt	acctacccga	atcctataaa	acggcccccac	ccctatctcc	ctttgctgac	300
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<210> 654
 <211> 609
 <212> DNA
 <213> Homo sapiens

<400> 654						
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gcaactgtag	gaatcgactt	tccatctatt	tggagctcat	cagtgtcttt	cttttaggtg	300
acaacagagt	tgtccggcag	gtttttcctt	tcttttcttc	aagtagggta	acattagttc	360
acatctgctc	aaaataaatt	atgttcgtat	tctaacagac	tcatatggca	ggaacaagaa	420
gtgcacatgc	caaaagaagg	cagaggactg	caggagcaag	acgggttgca	aaggggccgt	480
catgactanc	acaatcctgg	cccctcttct	ttcagcntta	taaagaccag	tanaataata	540
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ctccaaaat						609

<210> 655
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 655						
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gatcatgtcc	tcggcagggg	catggatgaa	ggtggaagcc	atcatcctca	gcaaaactacc	120
acaggaacag	aacaccaaac	accacatgtt	ctcactcata	agtcggagtg	gaacactgag	180
aacatatgga	cacagagagg	ggaacaacac	acaccaggcc	tgttgcgggg	tgggggctga	240
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tatgtaataa	acctgcncgt	cttcennnnn	nnnnnnnnnn	nnnnnaaaan	ggnngggggg	360
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<210> 656
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 656						
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gctatggctc	ctcatcagca	tcctgcagtt	ctgacctgcc	caaccctacg	caagaacttc	180
tggtgaaact	ttctctaate	ctctcacttt	ccttcaagac	ctttacttcc	gccagctcct	240
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<210> 657
 <211> 523
 <212> DNA
 <213> Homo sapiens

<400> 657						
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gggaagcaga	gtgacctgct	caaggtcaca	gagaagggtga	cgtgggtgtac	aacgaccttg	180
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tgtgactgag	ggctgttaaa	gaacgagaag	agaggagaga	aagccttatt	tggaggccta	300
gaagtcacag	actgagacgt	caatgccaaa	tctttcattt	cccactgtgg	ctttttgttc	360
tctctctagg	aatagcaaga	attttgtaca	tagctgggaa	tgaagcgaa	gaaaatgggc	420
ccgggataaa	ggttgagaaa	actattttct	tttgaaaggg	cgggcttcca	nccttggccg	480
gggggcaaaa	aaaaaaaggn	ccctggatgc	tttttttgac	cgc		523

<210> 658
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 658						
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atgaccattt	tacctgggtc	ggccctggca	tcgggtaagc	ctcggatcaa	atctcatctc	180
catcacttgt	cagggaaaat	ccttaaccaa	ggagcaaggc	atctgtcttt	accaaggtca	240

gccaacccac	tggcac	acatcctttc	caccaccccc	gacttgctg	agggctcaga	300
tttcatcaag	tctctcttat	caagttccta	ttacaaggca	ggcatagtta	tgcagaagaa	360
gaaccagaca	aggctggagg	caagacatgt	atgtgagggtg	tgtggnetca	aaagtcanga	420
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<210> 659
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 659						
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gaggggaagt	cctcagctgc	acaggttggg	gggggggggg	ggggncnnc	ccatctnttn	180
aggttttntt	tngccttgt	tttttntttc	caaaantttt	atttttgggg	ggnetnnatt	240
ttttnncagna	cccttcgnnt	tttnantttt	ttgggttnnn	antaaatacc	ctgaatttta	300
ccc						303

<210> 660
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 660						
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cacttaaagg	cagttctctt	caaataagag	agtctcactc	tctcaccag	gctggagtgc	120
ggtggcacga	tctcagctca	ctgcaacatc	tgctcccag	gttcaagaga	ttctcctgcc	180
tcacttacat	agatgagttt	gataacagtc	aagctgaaac	taaaaaggcc	atgatgagat	240
aaaagatcaa	ctaaggaaca	agcgtgaaag	gcagctttca	ctgaagtcc	gaacctatga	300
ctgatcttac	caggcatgcc	aggagaatac	gctgccaggt	tccctcacct	ctaccctcca	360
actacagatt	gaaaagtctg	ctttgcctct	tctaaaccat	tgctgtttga	acttaaattgt	420
gctgataaac	taccagagaa	tcttggttga	aatacaaat	tntattcncc	ncggnttngg	480
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<210> 661
 <211> 499
 <212> DNA
 <213> Homo sapiens

<400> 661						
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cagtcacata	ttcaggtctc	acttccaatt	ctagtctctt	tgctgtttcc	accaaactctg	180
cagttacttc	cacgagtga	gtcttgaacc	cctcaaagtc	atccatgagg	gttggaatta	240
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tctttttttt	ttttgggaaa	ggnggtttna	nttngcccc	nggnngnagg	gcaggggggg	360
ggnttggtt	aatngaannn	ncnctcng	gggttnccc	antntcntg	cctaancctc	420
cnngggagg	gggaaaaagg	gggcccnc	nnggcccggg	tatttttttt	gtttttttta	480
aaaaaaagg	gggttcccc					499

<210> 662
 <211> 497
 <212> DNA
 <213> Homo sapiens

<400> 662						
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tcacatgact	tccagtacag	ggagccccac	accaggcttc	catgccagct	ggttactccc	180
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atgaacttta	cctcgatgga	cagccttctc	tcctatgctc	cagctattct	ttttgagggg	300
gattaccgaa	tataataagc	acatgatatg	tacatatgca	tatatacacc	gtttgtgcat	360

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gtgtatgtat	agagac	atgtcactaa	aataactgct	cacagata	taatttcaaa	420
ctttcatttc	ccctttacca	ccttntnggc	ccaatcttcc	ccaacaaaag	ccgaggggga	480
ttaaaccggg	tttggtt					497

<210> 663
 <211> 580
 <212> DNA
 <213> Homo sapiens

<400> 663						
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taagngaagc	aggaagagcc	atttataaaa	ccatcaagat	ctcgtgagaa	ctcacacact	180
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ttccaggaca	tgtgggggga	ttattggggg	attaccaatt	caaaggatga	agattttgaa	300
gttgggggac	caaccatata	actatgttg	aagnatgctt	ttattattgg	gcaaataata	360
gttatttgca	taaaagttca	ttaaagtata	ttgctctttt	ttngnaacaa	gggacaaatt	420
gggaagcccc	ttggattatt	attacaaaaa	ggctttttga	ctgggaaata	attatatctt	480
tccaatatga	agtaagacag	ccttttgaan	ggaaactggg	ngggtnggaa	tttttttaaa	540
ggctttttta	aanccccctn	gggaaaacc	tgggccctta			580

<210> 664
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 664						
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tctctatcac	agacttacag	cttcctccag	ctgcaagaaa	ccctgggtct	gttcttatct	180
actaagcaaa	tgaatattat	aatcgacaaa	taaatgagct	tgattgggtc	ctcatccact	240
tattcactca	tgtcacaaaa	attaagtga	ttacaaatat	ggaccaagca	ctgaattcat	300
ttttaaaaat	ttaatgaata	aataaaatga	tatgagtaga	tgcataaatg	aacaaatgac	360
taaaact						367

<210> 665
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 665						
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ccacatggag	atgagcttga	agccatccag	gacatttcag	ccacagatga	gctccagctg	120
aatgcaggca	caggtgtaac	cccagccaac	accacatggg	gggcagaaga	accatacagc	180
tgagcccagc	caaccacacg	gctttccaga	aacaagccag	gagtggggtg	ggactcttct	240
acattcagtg	actcaatttg	gtcagaacta	aggacaatga	ggaactggcc	ttgggtgcaa	300
aatttaaggg	agtgcgaaaa	attgagtcac	tgagataaat	tatatattta	tgcaattttt	360
aatgcaatat	tttaactaat	aaaaattaat	gccccaaaaa	aaaaaggcca	gcngggccaa	420
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<210> 666
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 666						
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ccgccatctc	ccagggttcaa	gcaattcttc	tgccctcagc	tcccagtagt	ctgggattac	120
agatagtagg	actgaacttc	tgagagggtta	agcgacatgg	cacagattac	acagaagaga	180
aagattttga	agatcagatg	aagtagttac	cttggaaata	tgacagaaga	gggtctggct	240
ctgttgccca	ggctggagtg	cagtggcatg	atctcaggtc	acagcaacct	ctacctctg	300
ggctcaagtc	ctcccacctc	aggctcctga	gtagctggga	ctacgggcat	gtgccatcac	360

actcagctaa	agttttt	ttttt	gtaga	gatggagttt	tgccatgt	cccaggcttg	420
ggctcaaaact	cctgggatca	agtggatctg	gctgggtcac	ccttccaaag	ggtnggaata		480
ccngtgggga	gnactttgnc	cggcccaatg	gatttntttt	tttgggctga			530

<210> 667
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 667							
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gatgaggaaa	ccgagcctca	gagaagtaaa	gtgaaacacc	caagttgata	gtgtcaacaa		120
attaaaagtc	caagcc						136

<210> 668
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 668							
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cattgcattt	nggatggcna	ttgaagggga	tgtgctattg	cccanaatat	tccaaaccct		120
gggaccgnc	ttagaggggc	atggctgnct	tcaggganga	agccggactc	ccaaaattgt		180
tggcaaaatg	acccccattt	taacncttca	ngcatgngga	gaatgcatgc	cctgnagagn		240
agggatccat	gaatggaaga	tcttgtggcc	aagattggcc	tttnatcatt	tcacctctcc		300
aaacttccat	ttcttcncaa	ggnatgaatg	atgggaaata	naaattgacc	tggcngtgaa		360
tgccctggaa	ancnacngtg	ctgaatcctt	aaccacctta	ctnnntacct	tttccttaag		420
cnttnncccc	tgggcttaga	aaattaattc	accgnagggg	gnttgnggtt	ntggcttttg		480
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<210> 669
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 669							
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aaggctcgtg	ttaaacaacac	acagagcatc	tctttgtcac	gggctcagct	gacacgtctc		120
cctccctcac	cactgccccg	ccagcctcca	gcagcacatc	tgcggtggac	aatgagtcctc		180
atttcacatt	ttggctctgc	ggtaggcatc	atcatgggga	cagaatacac	accacaagat		240
aataaacaag	ggactgttca	agaacaaata	tcaaaataaa	gacaaaagga	aagagg		296

<210> 670
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 670							
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ggttgttgtg	gttgacagtt	gcagctaaga	ttcaagccta	cagccagtat	ctagaccaga		120
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tgggagaaat	aagttgtccc	cactaaggac	tgctcaagtt	acagatttat	gagcaaagta		240
aatgttgtca	tggatttcag	tcactaaatt	ttgggtgggt	cattatgcag	caataggtaa		300
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<210> 671
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 671							
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ctgggttatt	gctccaa	caatgttctt	ggggaaagga	agatatgc	tttgtcaaca	120
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cttgctctgg	ccctaccctt	acctaccaga	atgaccgtga	acccttcccc	actcactcct	240
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tgcttcagaa	aacagcangg	gttggggcaa	ggatgccact	tgagtcccag	agcaacttca	420
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<210> 672

<211> 513

<212> DNA

<213> Homo sapiens

<400> 672

ggagaagaat	aacattttatt	taatggatgc	tgagcaaaaag	gtattcacaa	ttcatgcttc	60
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ggagctataa	cactcaccca	gaagatctgc	agcttctctc	ctgaagccag	cgagaccatg	180
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gcgaaggtct	gcagcctcac	tcctgagcca	gcgagaccac	aaacctacca	gaaggaagaa	300
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naacacttca	ccccggccng	ggnaaaagnn	gggggggggtt	tttccccccc	gncccnnggg	420
ggggnnnttt	ttttcccaaa	ntttttttccc	tttttttnggg	aaaaaaagnt	tnccccaagg	480
ggnnnggggg	aggggggaaa	accccccccc	aaa			513

<210> 673

<211> 150

<212> DNA

<213> Homo sapiens

<400> 673

gagaaataca	ggtttagatg	agacttggtg	gactcaagtt	ctttcctcca	cccatggcct	60
ctactcgggg	agctgggtcaa	atgtggaatt	tcgaatatca	aatatgtata	aaataaatag	120
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<210> 674

<211> 423

<212> DNA

<213> Homo sapiens

<400> 674

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tataatagcg	ttcattttat	gtattaagcc	agatttgcac	aacaattcca	ttgtaataca	180
aatgtaatct	ttagaagtaa	ttttaaagca	gcaaatgtag	aaatgccaac	cctcaagtaa	240
aagaaaacaa	ttttcctaag	ccaaatgtct	tttgtgagag	atttcaatgg	tcatttgatt	300
ttagtttaaa	gatcatctga	ccttatgatt	cacccgattc	ttaaatgcac	atctcaaata	360
taattggtcc	ttttcccaaa	tttttttttt	tgggggggga	aaaggggntt	ttttaaaaaa	420
ttt						423

<210> 675

<211> 497

<212> DNA

<213> Homo sapiens

<400> 675

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tcaaggcttc	agatgactgt	cactccagcc	aacatcttga	ctacgacctc	atgagagact	180
ctgtgccaga	accacccagc	taagctgctc	ctgaattcct	gacccccaga	aactgagata	240
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aactaataca	ggctctcata	atgtcattta	tttgggtcca	gtcagcatgc	tttaagatct	360
gggaggtttt	tttttttttt	tttccccctt	ttttttttcc	aatttttnecc	ccccnatttt	420

taaaaaaatt ttccnna aaaaanccca aagggcccaa aaaatttt tntttttnaa 480
aagggggggg gaaaaaa 497

<210> 676
<211> 517
<212> DNA
<213> Homo sapiens

<400> 676
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aggcgtgtat caccacatcc ggctaatttt tgtattttta gtagagacga ggtttcacca 180
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tccccgnttt nggggggggc ccaaaaaggg ggggggnaaa aaaccctttg gggaaaaaaa 480
ggncccnttt tccccttttg gggtttttccc caacccc 517

<210> 677
<211> 407
<212> DNA
<213> Homo sapiens

<400> 677
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tttgtttgac cttcactata taggaaaaag cctcacaaat tcttcancec cttggatgga 360
ggcttnaann cccccctttt tnncccnaaa ncnaaaaacc tttttgg 407

<210> 678
<211> 343
<212> DNA
<213> Homo sapiens

<400> 678
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caacattgct ggctctgatg gaggaagaaa gccgaggaat gccgccagcc tctacaagct 120
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accctaataca tagtctggcc tgcagaacca ggagtgaag ataatacata tgtgtgtgtt 240
taagccacca cgttcgtgaa atttcttaac agcagtagta ggaagcta ataccgcga 300
agtagagatt gattaatttg gtttaataaac aacaactcct agg 343

<210> 679
<211> 511
<212> DNA
<213> Homo sapiens

<400> 679
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catccattca ttccgggatt cccccagctc atggacacag gtccgtctct aactacagac 180
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gtttgcctgt tttcagtgc tttcctctgc agatctctca gtaggcagcc gtaaggagtc 300
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cctgggaaac cccnaaaanc cttttttccc ccntttttt tgggtttggg ggaaaaggga 420
aaaaaaaaa gggggggggc ccnaaaaatt tttttccaa aaaaaaac ccctttcccn 480
tttaaattn cccttttttt taaaaaagg g 511

<210> 680
<211> 155
<212> DNA
<213> Homo sapiens

<400> 680
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gaaatggagc tcaagaaaac ttcattctgat tctcaaagaa cacacatctc aactgacatc 120
tggccccaca cttggtaata aaagtgcatt ggtgc 155

<210> 681
<211> 512
<212> DNA
<213> Homo sapiens

<400> 681
agacgggggtt tcaccatatt gccagggctg ttctcaaact tctgggctca agcaatctgc 60
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gcaccacccat caaccagtg gctcaagtct gaaaagtgcg tcaagtcac tttgaatatt 180
ttcccagctc cctacatcca actcatcagc tagtccaatg atttcaaagt ctaatcggtg 240
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ttcttttccc tttttttttt ggggggggga aaaagnggtt tccccctttg gggaaaaggn 420
ttttaaaaa anatttccc tttttttttt ttttaaaaa aatttaaaaa nccccaaatt 480
ttnaaatttt aaattttccc tttgggggaa aa 512

<210> 682
<211> 536
<212> DNA
<213> Homo sapiens

<400> 682
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aataaaaaata aaaataaatg agccaggtgc agtggcgcat gcctgcagtc ccagctactc 180
agaaggccaa ggtttctaata aaccataaga tcataccatt ggactgtgtg aaaattttca 240
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gaattaatta ccgtgaaact gaactgatga agatttaaag aaactatttc tcttaagctt 360
tctagagctt gcagagatct ggggtcaggc ccnaatttt taaattttta ancccttttt 420
tttttttttn gggngggggg ggaaaaaacc cncctggggn aaaaattttt ttnggggggg 480
aaaaaacccc aaaaaatttt ttnaccccct tttttttttt tttttcccc tttttg 536

<210> 683
<211> 372
<212> DNA
<213> Homo sapiens

<400> 683
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acgattctcg tgcctcggcc tcttgagtag ctgggactac aggcattgcac caccacgccc 180
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caccgcacct ggcctcaaaa agagctcttg aaatattagg gctagtttagc cttttgtcag 360
tattggaatt tt 372

<210> 684
<211> 470
<212> DNA
<213> Homo sapiens

<400> 684

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aagtggaaacc	acttatacca	gtgcatctac	accaaaggt	ggaatgagag	tggctgcttt	180
tctggcagcg	tggagacgaa	cattagaaaag	aagatgctgg	atttgggtag	catgaagcag	240
tgaccgtgtg	ccccacaccc	agtgagcagc	aagaaccccc	tctaggactg	gtggagctgg	300
aaccatcatt	aaaggataaa	ctgctcatct	caaaccagag	gcaattaagt	gacagagggg	360
tctcgatccg	acgacttcct	tccnnaaaag	gccccctttt	tttttttttt	tgggaaaccc	420
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<210> 685
 <211> 540
 <212> DNA
 <213> Homo sapiens

<400> 685						
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atggaggggag	gatgaaacct	gatgggcatc	ggggacaagg	ttcccatgat	acagcngcan	120
taanagnctn	tttngncttc	cttgctcact	gntnaatatg	gctgaactac	gcangnggtc	180
cangggagact	tggagcagcc	tgtctgaggn	cactgaataa	tcccaganac	acatccacna	240
aactgagcca	atactataag	cacagaaacat	ttttanaagc	tgtgggacag	aggaaggccc	300
ttcccaagat	attgcttcgg	gacccagaat	ttaaaccattc	accattggct	tccggtcatg	360
caggctgtca	catgctcctg	aaaaagaagg	gctgcgtgat	tttnaaaaan	ncnnantttt	420
tttttttttt	tttcnaaaac	cccccccttt	tnnttttttg	nggggggnga	aaaagaaaaa	480
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<210> 686
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 686						
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tcagagaagt	cacaaaacta	caaagtggca	caccccaggc	tagaacctcc	ttcctctcat	120
ttgaagggcc	accaaaccag	ctgttcccct	catggaagag	gagcatagac	ataaaaatgtc	180
aaggcaatgg	ggaaggggca	gagaaaaaggc	acaaacactt	ggaggagaga	cagaacaatt	240
aattggcaca	aaaatacagt	attggtgtca	ggaggctttg	gtgggcttgg	aaacatcaag	300
cagcagatct	gaaggaaatc	cagccctggc	atgaaagaaa	cggggcaggc	caggcgagct	360
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<210> 687
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 687						
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taaaagaaaa	ggacggggag	tagggatctg	gaaggacact	ggcccccaaa	cagggaatct	180
gagcaccagc	agccacgccc	cagtgggtta	accttaaccc	gtgcccattg	taaacgcttc	240
tgggtggcgt	aagcaccggt	agctatgggt	agctccatgg	ggatcatggt	ggcatccacc	300
tatattgcaa	gttctgaaat	gataacattt	tanaaatgga	tggacaaaat	ggatgccag	360
ggttaaagaa	aaaagtgggt	attaaaaggc	nacaccgaag	gtccttcaag	tggntgnaac	420
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<210> 688
 <211> 608
 <212> DNA
 <213> Homo sapiens

<400> 688						
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cctcaaagtg	ggggggccaa	agggcccttt	ggtttggcca	cattcaacgg	taaaaaatc	120

tttaacgggg	tctttt	ggccctttca	cgggnccang	gaaaccttca	agctttcaaa	180
aagnaanaaac	ncaaaaaccgc	gtcaatggct	ntcattttaa	tttncncttt	aattcggggc	240
ttccaaaagg	aaggtgggag	gaaatagctt	gggtgggtca	ctgtcccaag	acactggaag	300
aatgggcant	ttcaaagaat	ttttctcttg	gcaattcttg	gtcctcttga	aacaagactt	360
tggaaaccttt	gggtcttgct	gggtttccca	aacctctggg	gttacnacat	tnaanaaacc	420
atgggtgcctc	caaggggaacc	cttcaccntn	ttgggaagtc	ttgggaanggt	ttgaagcccc	480
canaggaaaa	cctcttatgg	tcttcccatt	atttttccat	ttccaanaac	aaccttnttt	540
ntttttttat	tggaaaaccc	cnttgngnaa	aanngggcnt	ttaacttcaa	ntntttttta	600
aaaacatt						608

<210> 689
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 689						
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agtggagatc	tgatacagac	ttttcaagaa	tgtctcattg	cttttagacaa	ttccctgaca	120
ctacctgtct	ggtttctttg	attagcaaaa	ataatcatag	taaaaatacc	aatc	174

<210> 690
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 690						
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tgggaagtggc	tttttctcga	aataaaaacct	tcaaatgaga	cctcagccct	agacaccacc	120
ttgattatgg	ccttggtgaga	gagattctaa	agcagaaggc	ccagggtcagc	tgtgcccaga	180
ctcctgattg	aaagaaactg	tgagggtact	gccagacgaa	gtgggttcaca	cctgtaatcc	240
cagcaactttg	ggaggccgac	gtgggtggat	cacctgaggt	caggagttcg	agaccagcct	300
ggtcaacatg	gtgaaacctt	gtctctacta	aaaatataaa	aattaaccca	gcatngnggn	360
gngtgccctat	aattccactt	ctccaaagct	tgaggcaga			399

<210> 691
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 691						
gaaagaagca	gacaccgagg	gagaattttta	aagacttcaa	agagccccgag	tggactacca	60
catccctgta	gctggcagtc	ctatagctgg	cggctctact	tgtccagtaa	gcttccaaac	120
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ctgggaatac	tttggaactg	aagagaacct	attaggagag	agaaaaaaca	gagtcatgat	240
taagcaaaaa	aaaatggaga	aaagattcac	ctctaaattt	tatttaatatga	caacaaaaac	300
acacaacatt	tctctttgat	tcataacggt	aataaattct	acttatcggt	tgcaataatt	360
ccaaggngtt	ctaaaaacat	cttttatatta	aaaaagagtt	ccatattagt	ttgaattact	420
tcangaaaaa	aatggccctat	tccncccttc	caagctt			457

<210> 692
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 692						
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atcccnctgg	cagcaggcca	tgaaccacaa	gcctctntcc	atcaccctgc	tttccgggtc	120
ttctccagct	ncacttggtc	tgatgaataa	ttccaaccag	cacttccaga	agcttgagct	180
gctcttttggc	tttgataaca	gctagctttt	tgggggttac	ataaacattc	acatnttttg	240
taccgctggt	ngacaatgac	tcctggcttc	tgatnggact	gagccttana	aaggatctgg	300
gccatnggna	tggtnttttt	tttattgccc	cncttnggta	aaaaaccttt	cctncttnaa	360
aatttggggga	accgcttgan	gnggggggca	nanatttttt	ttttttttga	aggntcttca	420

aagaaaaaac c

431

<210> 693
<211> 618
<212> DNA
<213> Homo sapiens

<400> 693

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anncttngtt	atggacctcc	ttgnatngat	ccnacttgag	accccaccan	nttngggcca	120
acccttgctt	gggggggaat	taagaaaacc	cttcntcttg	tccanaagtt	aaaggggggc	180
ctggaattgg	ggttccaagg	gtcacatttt	tttgggaaac	ttcaanggtg	gacangggcc	240
agaagcccca	aggtnccccc	anggacaagt	ggcagccacc	tttgtnccaa	ngccggggcc	300
ttccccgttt	cttggcttcc	cgggcttgaa	ctttccttgg	gaanaaagaa	ggaaanggtt	360
cattcttgaa	ntttgccaga	aaaacttggg	aaagccaaga	agaaccccca	agtttangga	420
agcctactta	ccaacttatt	tccangggca	aggaaaaaga	acaagttggg	cctttggggaa	480
ttgggggaat	tgtnggtatt	ttggaaaagt	ngggaagact	taaccanana	nggttccttt	540
gggnaaaatg	gtaccantcn	tttnttagct	ttccccaaan	aactttgctt	gcttnggtgg	600
gggaaatgg	tcgaaggt					618

<210> 694
<211> 435
<212> DNA
<213> Homo sapiens

<400> 694

gaaagaacct	tggtcactaa	attctacgcc	ttctggaaat	cactctgcta	atgacttcct	60
gaatgatcga	ctgagaccaa	cagctggccc	agccctgcat	ggaggagtaa	gaaacctc	120
tctgtcagag	ttaaggggccc	tgaatgggta	caggtcacat	tcttgagct	caaggtgaca	180
ggccagagcc	cgggtcccca	ggacagtga	gcacctgtc	caggcgggccc	tcccgtttct	240
ggctccgggc	tgaacttcct	ggagaagagg	aaggttcac	tgaattgcag	aaactggaag	300
cagagagccc	agttaggagc	tactacaact	atccaggcaa	gaaagacagt	ggcttggatg	360
gggatgtggt	attgaaagt	gagactanca	naagtcttgg	naatgtcatn	ttatactacc	420
aaaacttgct	gctgg					435

<210> 695
<211> 282
<212> DNA
<213> Homo sapiens

<400> 695

taaccagtga	ggaactgagg	tctcccagca	accacctgtg	tggagttgga	agcggcgctc	60
tctctctctc	tctctccagc	aaccagtggg	gaactgaggt	ctcccancan	ccacctgtgt	120
gaagtnggaa	gtggattcct	tancctcagt	caaacttga	aacgactgaa	aacctgggna	180
acagcttgn	taaaacctca	tgagagaccc	taagccanac	tcncttacct	acagaancct	240
ttatntgtat	ctctgaataa	atgtntgtta	ttttaagcta	ct		282

<210> 696
<211> 451
<212> DNA
<213> Homo sapiens

<400> 696

aacgtagctg	ttttgaaaaa	acaaagcata	tgcattcttc	tcaaattggca	acttaaagaa	60
acaggagggc	aaattctcat	ttcttttgga	aagtaaagat	tcctctcttt	ggtaaaagaa	120
acttctttgc	attcactgaa	caaccttccc	ttaagaggga	accaacaccg	cctgatgatg	180
ggcaaactga	ggcttacaga	gatgggagac	tgctgcacg	ggaccattca	gctcagaaac	240
agtggaaacta	gaacttgagg	ccatgccttt	cagagctgct	cccattctct	tactgtccat	300
gccgcctctg	gcactttata	aatgacagag	gggtccgat	gggcatcatc	acatgggttac	360
ccatgggtacc	ctaaagtga	gaccccaagc	ctctcacctg	gacatctgcc	acaaaagctg	420
taatgcantt	gaaaattgg	cttcccttgg	g			451

<210> 697
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 697
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 tangggantt gaagcnaaag atcacgctgc ctgcctacac cangaaacag ccaagacccc 120
 ccttgacaga accaacattc ttccaccctc tccaactttt ttctggaacc ccttcacttn 180
 caacgccctc aatgtacact tcactttctn gtgctcttcc taagagagta gtgntttntt 240
 nctccccacc gagaaaaaaa aataaaagca acaactgg 278

<210> 698
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 698
 gtccaagatt ttgagaaccc agattcaaatt aaagaaatag atatggccag gtgcgatggc 60
 tcacgcctgt aatcccagca ctttggggagg ccgaggcggg cggatcacga gagacagggg 120
 cttgctctat tgtccaggct ggattcaacc ttgtgggctc aagtgatcct cctgcctcag 180
 cctctggagt agctgggact acggatgcat accaccacat tctgctcatg ccctatgtat 240
 tcttttgtat gtatgggtgt aaaaacagag ataaaaacag agatatggat gcc 293

<210> 699
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 699
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 caagtcccaa ggaggaaaaa ctatggatcc tggaaacctg ctgttgtcat acttggggggc 120
 ctgtcttaaa agtctcactt ggtgatattg gctgagtcac gtccctcccc aaaattctta 180
 tgttgaaagtc ctaatcccta gtacctcaga atgtgattag atttggagat aggggtcttta 240
 gtgagataat taaggcaaaa ggaggtcata tgggtggggc ctccctacag aggagactgg 300
 tatctctgta agaagaggaa tgaggacaga gacacgtaca gaccaaggga ccatcatatg 360
 aggacacaga aagaagggat ccatcttcaa gtgaagaaaa gaggcttcag gagaaaccaa 420
 acctgcccac atcttgatct gggactttta accttccaaa atttaaagaa aataa 475

<210> 700
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 700
 gacaagattt tctctggtct tctgtttccc atttctaaaa taatgaaata acgccacttc 60
 agaagttcct aacgaggaca aaatgagagg tcatacgcca agtgtatcaa gtacacagaa 120
 attacctcat ttccaaaggg aagattggat gatactccac agccaatatt gacttactga 180
 agatgttatc aaatcctctg cctttcctca taatgatatg agaagataaa gacgtgtctc 240
 gctacagagt cttcaaagga agcagaaaaa gtataatata taattttaac ttaagaggaa 300
 cactgctgga catcatgaga attccatata atgagtgtca catctatcag aaaaccaagg 360
 gtatgaactc taaagaaata gaagatgggt gtgaacaggg accacctctc tgcctgattt 420
 gntttctgcc taggaggncc ttcataattg catgggtg 458

<210> 701
 <211> 523
 <212> DNA
 <213> Homo sapiens

<400> 701
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 gagctaaaga ttttgagacc agcctaggca atatggatgt attatggtat tctctggaaa 120

gattctgtga	acaagcaga	cacctgtttc	aggtcttgtt	aaataccagg	tctttccatt	180
tcctttaagc	ctttcagaga	tttangccat	gtcatcatat	ctgatcactt	catactgaa	240
ccccacaagg	gcagcagcat	cctccggtgt	ctactacccg	tgagaccccc	tctagagaaa	300
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attattagtt	aacactgaac	agggagcccg	gagatctaga	ttcttgntgn	atttgccctg	420
ntcatatgac	tttggacaaa	ccactcatct	tttaagnacc	ctcanttct	canttatatt	480
tgganaacat	tggagtaaa	ggaccttta	agtctgttta	ccc		523

<210> 702
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 702						
gcaaaacaga	aattccattt	tgatgattaa	aaggaggaaa	aattaacttc	atggctcctga	60
cccacgttca	acttgataag	agaggagaga	gcactgtgtg	aaggcaagag	ctggtaagct	120
cagacaacag	aaagaccggg	actaactcct	gctcatcact	tactacacg	gccttggcca	180
tgctgtgtat	cttcacagca	tcaggttcct	catgggtgat	ttgggaatag	caactggacc	240
aagcctcaca	gggtccttca	tattatcttc	actcattatt	gttgaaatct	tccagttttc	300
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ggaagccaaa	gaatatccag	ttacgatgtt	caaagagata	agctggccct	gaggcatatt	420
tatctgtcct	aaaagaactt	cccaaagaga	aaattaaagc	tnttccaata	ccttg	475

<210> 703
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 703						
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aggctctcgg	tgagccattt	tggtttctat	tgtgggactt	gtgtgctgtt	ggggcgccca	120
cagatcccac	agggctccag	ccttggcaac	gacatcgacc	aataccccgt	ggttttcagg	180
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atactgcccc	cgtctagtgc	aggagcagaa	atcgaagtca	tccatcagct	agcgtgtgga	420
caagctcact	attcacacaa	acttaaccta	acttaagtca	atccaantcc	tatttttggg	480
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<210> 704
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 704						
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cctggatgct	acgtttttgca	tcttcttttag	atacccttga	ctcgtaacat	ctgtctgggc	120
taatgttgtt	ttctgcttgc	agtgtgtctg	gagctctaac	aagtgcceaa	gccaccctca	180
aagggtcact	ccttgtttca	agagcacttg	tgcttgctt	gacctctctg	tcgctctctg	240
attccactta	ggaagctgct	tagttccatt	tttcaactga	aaaattatcc	tctgcttcag	300
gccactctgt	catactgttt	tgtgtagtgt	tttaaagcta	atttgaacta	ggcaatgtct	360
tagccttaga	tatagacaga	taattttcca	gatcagacaa	gctatagtaa	agcttcaaag	420
ggaaaacttt	tattcctaaa	gagaatanaa	aactcatctg	gggtaatcat	aattggattt	480
aaaaaatgac	ccaagttgaa	ttttt				505

<210> 705
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 705						
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cctctgcctt	ccaagtt	gcaattctcc	tgccctcagcc	tcccagagtag	ctgggaccac	120
agacctgcac	caccacaccc	agctaatttt	tgtatttttg	gtagaggtgg	ggtttcgcca	180
tgatgcccag	gctgggtctcg	aactnctgcc	tcaagtgatc	cacctgcctt	gacctcccaa	240
agtgtctagga	ttacaggcgt	gagccaccac	acctggccta	attatatctt	tctattaagc	300
cttacctaata	aatagtaaga	agtaggattc	tctttggctg	ggtcactatt	caataaaaata	360
ttaaagtcac	ccatgtg					377

<210> 706
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 706						
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gccctggttc	ctggactgaa	agcacgaaac	aggatctccc	tgtgttgccc	aagctggtct	180
tgaactcctg	gctcaagtga	acctcctgcc	tcntcctccc	aaagtgtctg	gatgacagtg	240
tgagccaccg	caccgggnc	ataacgaaaa	agncttgatt	cncctngcac	attgagcctc	300
ccctttttgg	natctttggg	ccccaanccc	tgtagnaga	aactgcctga	gaaaaaancg	360
gnggmnacac	antggagaac	tggaaaaaaa	accccgaggt	gggaancaca	tctggtgccc	420
cncctcctga	catgaatgtg	accaactctg	gttttaanat	ttttgacatn	tgaagccana	480
aantnccctt	tctactataa	ggggagtgga	agggggattt	ccacactttg	tac	533

<210> 707
 <211> 520
 <212> DNA
 <213> Homo sapiens

<400> 707						
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gccatcgcat	cccccgtag	ttgcacgtat	acgcccagat	ggcctgaagt	aactgaagaa	120
tcacaaaata	agtgaatatg	ccctgccccca	ccttaactga	tgacattcca	ccacaaaaga	180
agtgtaaatg	gccagtcctt	gccttaactg	atgacattat	cttgtgagag	tccttttctt	240
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ccagagaaca	aacccccctt	gactgtaatt	ttcctttacc	tacccaaatc	ctataaaaacg	360
gctccaccct	tatctccctt	cgctgactct	cttttcggac	gcagccccg	tgacaccagg	420
tgaaataaac	agccatgttg	ctcacacaaa	aaaaaaaaagg	ccagngaggc	caattcaagc	480
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<210> 708
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 708						
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ccattttcttg	aagctgcaga	gttctatagc	tggcttgggg	caggtgggaa	aagaagaact	120
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ccctgcacaa	cccaaatcag	ttggcaggtc	acagagggtga	ggccaccaag	ggcttctgac	360
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agccttagtg	agtggcaggg	ttgttgctag	agagaaagcc	ctggagtctt	ctctgctcta	480
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<210> 709
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 709						
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tctgctttgt	ccccagcacc	cagcacaatg	cttgacacat	agtaggtgct	caataagttc	180
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<210> 710
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 710						
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gtggtggcac	ggagacctct	tggtgaccaa	gccggacact	gagcaatctg	tcagcagctt	180
atcaaaagaa	aacacaagtc	caaactttgt	angaaaatac	ctgattaaaa	tcactctttc	240
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<210> 711
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 711						
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agaattttcac	ttctggatga	tgtgagcacc	ctgcagtttg	ctgtgtactt	ttcatacact	180
tatgtattta	tctaaaacct	tccatgattt	ttttgggtgca	gtagtataca	gaatctgaac	240
tggtataagg	tcaactgtaa	acaattatct	aatagttatt	ctaaaacttt	acctccaat	299

<210> 712
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 712						
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gtcatgactg	gccaagacta	aagggtcagaa	gactttcact	ggagatatcc	ctccctatgc	180
ctggaagaaa	ggaatattct	tatctctgaa	gacattggga	aacacaataa	tagctgaaaa	240
acaggccttg	ctaactttct	tccagtttat	tattagatga	tatattttta	tccaatcata	300
tttctccatc	actaccctct	tctccatcag	aactagcctt	aaaatgcata	ggtttacata	360
tttttttagtc	ttcattttcca	cagttccctt	gtcacactaa	aactatatta	agtaaattta	420
tatgtttttc	tcttg					435

<210> 713
 <211> 334
 <212> DNA
 <213> Homo sapiens

<400> 713						
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tccataaaga	cagactgtag	tgatttctaat	gcttctgtaa	aatatctact	tattggcact	300
gcatcagaat	aaattttaact	ttatttttaa	tgct			334

<210> 714
 <211> 567
 <212> DNA
 <213> Homo sapiens

<400> 714

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caaggtgatt	cccngccntt	ggncctctcaa	aagtgtctgg	attacagggc	ggnganccca	180
cccccccca	accaaaaacg	tttttttttc	ttantttacc	cgccgggggg	gaaaaagaa	240
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tttcttgatt	nttnaaaagn	aaaactnact	tnacttggng	gttttttttt	ttttttgccc	360
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taaaaanaag	cattggccnt	tgtnttttcc	cccccccttt	tgattttttc	cngnccctt	480
ncttngnccc	ttaannccn	ttcaaggggg	gtggnggttn	ccctttttta	ccggggaacc	540
cccgantttc	caaatttctt	tttttgt				567

<210> 715
 <211> 652
 <212> DNA
 <213> Homo sapiens

<400> 715						
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tcacttaagg	aagctgtaga	gatgagccca	aggagggaaa	ccagaagagc	ccccacggct	180
caccagttgt	ttgttggtc	cctacaaaca	tgctattcaa	gtggctaata	ttacaacagc	240
acaaattcat	ctaaccagag	atactctatt	atagcaaaga	agaaagataa	tttcattgag	300
ccatcctgtt	ttacaggatt	ttccctcctg	gtgagtcaaa	atgaacaaga	agtacccag	360
gacctccctt	ccctccttgg	cattaatgag	atgaaggcaa	ttactcaca	tagtataaat	420
gaatcatttg	aggtgatgac	tgcatttttag	gcaaattgatg	actttcttgg	tccattgggt	480
tgcaagtaaa	agttacacac	attgaaaaga	cactgaaaca	gatttcttaa	atgcttcatt	540
ttctggatgc	accaatgggtg	acctactata	catggtaaat	ggnttttaaaa	tatcacctta	600
aaaataaaan	gaaacttnca	gtactaact	cagctcttga	tgggctatga	aa	652

<210> 716
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 716						
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acagaattct	aatgacactg	caacaaaatc	aggccaaaat	gaacgaaaga	aagaaaagaa	180
aagagaagag	aaggaaagga	aaagaaagaa	aagccttttg	tgcttgctca	ctacaaaatg	240
aacaaattgc	aagtggaaag	gaaaatgttt	ccttttttga	gtcccttcat	acctagtggg	300
atttggaaaa	cttaggaatc	cttcaataac	aaacactttg	ccaagtgcaa	ggacttggaa	360
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cagtgggatt	tggttgggac	ccccagtc	ataatttgat	tgaataaagc	tctttggaat	480
tttcc						485

<210> 717
 <211> 667
 <212> DNA
 <213> Homo sapiens

<400> 717						
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ttgagctgca	ggaaatggaa	gcagttgaat	gtgaatataa	atacggatgt	ccttagagaa	120
ctgttgctat	aaattacatg	atcaggaaaa	gagcaaaaaca	atacaaaaaga	tcataatctc	180
aaaaatctcc	tattgccatc	gcagaaaaca	gatccatcag	acaacacgca	tcccatcctc	240
tgattcaaag	aagtgatgct	cgtttgatt	aacgctcctc	catgcataga	agggtcagc	300
accaccta	ggtgctatat	taaggatcat	ccaaaccagg	tcaaccttct	gagaggttcc	360
cagtccctgga	gacaggtcaa	aagtgaagct	cagactgggc	tggcacttat	acagccatta	420
ggaagagatg	agcagaaaag	ctctaagatt	ccacagccca	gactggctat	ggatattaac	480
gacctgcctc	caaccatcca	tacctgttct	tttgntaatc	tggttttacc	accatgcaag	540
agagacaacc	aaactcatac	agtcaaaact	gagtcataag	accctctncc	aattttttat	600
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aaagact

667

<210> 718
<211> 679
<212> DNA
<213> Homo sapiens

<400> 718

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agagaaagag	actgaatttg	cagcctgaag	cccttctatg	attggcatta	atccattcac	180
aaaggcagag	ccctcatgac	ctaaacacct	ctcactagg	cccacctctc	aacagagttg	240
cattggggat	taaattccca	acacacgctt	tttaggtgac	attttcaaac	catcgcacct	300
tcctagtgcc	cataggccag	gcactgtttc	tggggacttc	tgggaattaa	cacagtaatc	360
ctcacaacca	gcccataag	taggtgttat	tggtaccacc	tccatgtcag	aggttgagaa	420
acggaggtgc	agagaggtta	gttagcatgg	tgctctggac	tggcatctat	ctcttactac	480
tacaccta	tgctcaaaaa	ttttgaangc	ttccanggca	agcgacatca	caaatgccag	540
cataatagca	agtagattct	ttcaaagaca	tgaacatata	ggaaaataca	agntttactc	600
aattttctcaa	catttttcaa	actgggggtcc	ttggatttgg	gtttggggta	aaaatttaaaa	660
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<210> 719
<211> 592
<212> DNA
<213> Homo sapiens

<400> 719

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ccaccccttc	tctttctttc	tgacctgaat	gtggatatgt	ggtttgcttc	tgtggctgca	120
atcaggtgac	atgaggcacc	aaccattgga	ccaagaagac	aacagccaaa	gacagaagag	180
cagaaaaata	aaaggaaaag	gcctgtgttt	tgataacatc	aatgagcagc	agtaccagt	240
ccaatagtca	cctgtctcca	gccttcttgt	gaatgagata	ctacaggtct	gtattgcttg	300
agccatttct	aactccagaa	tatatattaag	agtttcatac	tgaagttgaa	ccacacatct	360
ttctttgaac	ttcctaacag	gcaaaaacaac	tgcataaaaag	agatactcaa	ttaagttatt	420
atttgcattg	nccttgagga	gaaaattgat	agttcttcaa	gagaggcact	ggttcttgtg	480
aaacttaatt	cttttaaaaa	tggcttgggt	ggggcatcat	aaaaagacac	tgagntatgg	540
gggnaactgn	atttaaatca	tatccccaaa	ntaaatgcca	aatagtttc	at	592

<210> 720
<211> 316
<212> DNA
<213> Homo sapiens

<400> 720

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acnanancac	tctaattgcn	cnaaaatagg	cactatccac	caaacttcct	ggccttgaga	180
atngtttacc	aanaacttca	aagatccctc	ttgcccacat	cttgaaaaan	gcccccttc	240
cctataaaaa	aatcanggac	ccccttgctt	aaagnnaaac	aantgcccc	cttgtnaaat	300
aaaattgttg	gaaaaa					316

<210> 721
<211> 184
<212> DNA
<213> Homo sapiens

<400> 721

gcaccgngan	cntcactcat	tnncgannnc	tgcatgtgtg	ttggctgatg	tcatagactg	60
ttcctctatg	atcacaagaa	ttccctat	agaactgcat	atgggtgccc	gttgggtaac	120
ngtttcaagt	tgaaagaatt	ttgcattttg	tgattattgta	ctagaatgaa	ataatcttaa	180
tccg						184

<210> 722
 <211> 592
 <212> DNA
 <213> Homo sapiens

<400> 722
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 ntgacaatcg cncnntagcc cttcggctgc aatcattctt tccgtcagag tcatcatgag 120
 ctgacgggct ttggagctgg aacacttaaa ctggtccaca agaaagtgtt ggatgtttgc 180
 catctgtttc cagaaagctt ccattctgtga aatgagcaca agcagcaaga agtgagggtga 240
 aaaacttact taagaaagcc aaacggtgcg tgcttgggaa ttacaattca ctccttatca 300
 caaacaaga ttctaaca aaacggtgcg tgcttgggaa ttacaattca ctccttatca 360
 ttctacagtg aagttctttc tgggtccatt gnetgggtcc agtggtcaagt cagttttgca 420
 atggtgtttc agcagacacg agagcactgc tgctaaggaa agaaagcagt agcttgtcca 480
 gcctacagac tcttgacacg gtcattacag ctacctangg gctgatgaaa tgtgacaatg 540
 ggctcatgga agctttggca attttaaatg ggattaaata ctttcctgaa gt 592

<210> 723
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 723
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 ctggattcag ggtccagagt gctcaccatt acaccatgga acctcaaacc agacatcaac 120
 gtctctaatt agtctttctt tattccaata aaagaaaatg gtcagtg 167

<210> 724
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 724
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 tgcacgggtc caattacaca tggattttct tccgcctctg acagcaagac aaactcctcc 120
 ttttcgcct ccttcacctc agcctattca atggttaagt gatgaggatg aagaccttta 180
 tgataaagaa tagagcaact ggacatcagc aaaaaagtga atcttcacca aaaactccca 240
 ccttatacaa aaaattaact caaactggac cacagactta atgtaaaaca taagactata 300
 aaactttcag ataaaaacag aagaaaagtt ttcaggacct agagctacaa aactagtctt 360
 tagaattgat gccnaagcn ccacccccca agaaaaatta attgggnctt tttcaaagtt 420
 aaaanccttt gntcaccaaa agaccctntt angcagatga aaagagtagc tgcagac 477

<210> 725
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 725
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 aaatgtaaaa gcttttatat cccaggactg ttattcaaag cacctttaag ctcagcttct 120
 tacagcgccg tctgaaaaaa taaaaaaca cagctatgtc ttgcaagtaa aatcaatggt 180
 ttcctcac 188

<210> 726
 <211> 682
 <212> DNA
 <213> Homo sapiens

<400> 726
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 agctgccacg gacggcagtg gccccgatt catgtcccga gtctgaagag agctcctccc 180

tggccttttg	gtttttggg	cctcctagtg	tcttccccac	acttcgggtt	aggtctctgt	240
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ccagctagtt	cacaggtggc	cgccctaggc	cacgggcttt	ccctggggat	gaaggacctt	360
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gcctcangcc	aactgtgggc	atgggctcga	tgccgctgct	ttctttctca	catcaaggna	660
ttcagccgna	ttctacccca	aa				682

<210> 727
 <211> 663
 <212> DNA
 <213> Homo sapiens

<400> 727						
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aaaagtgaac	tagtcaatat	caacccccaa	gttagagacc	aagggtaatg	gagaaacttt	300
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agcttgatgt	tccccagagt	tctgggtcang	ctcttnccat	ctctttgcct	gaaaagaaac	600
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cga						663

<210> 728
 <211> 580
 <212> DNA
 <213> Homo sapiens

<400> 728						
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caactgaaga	aagggccctc	ggagatcatc	cagcccatcc	ccctcatttc	acagcgaaga	120
tgtgagctgg	aagcttcaca	gaaacacaca	gctcccaggc	ttcagtaagt	aatcatgtag	180
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<210> 729
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 729						
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gatcaataaa	ctggctcatc	tggtcttgng	gcctccatcc	aagtaccaac	tcagtgaag	120
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<210> 730
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 730
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 ngntcttttt ngttngtgag aaanttcngn gatcccttgg aattttcnct tacttttntc 180
 ttgcntgggtg natnccttta ttgggtngcc gggctgggan ttttttttgc tttttaatnc 240
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 caagccangg ggccaaaggg gggaccnana aaaccccgct caaaggccca nccaaaaaaa 420
 ccttnggcca aaggcccacc caangggccc nagcnanaa gggggaaaaa gaaaaanttg 480
 gaccttttgn aagggaaggg cttnccttgg ttgttnttgg aaaaccgggc angttgggtat 540
 tttttacca ccaattatt gttttccac ctcttcttcc cctttgnctt tctttttttt 600
 gggaaatggg ggtttttent tttttcccat tttttcatt taccaccct ttttggcntt 660
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<210> 731
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 731
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 gaactcccgg ctcaagcaat cctcccacct ctgggtactg agtagttggg attgcaggtc 120
 aagccaaaaa gtgatcgcc attcttttac cgggttccag ccaactctgt ccgctaacc 180
 ctatgacaga ggagatggga aaataattga gctgtacct aggaaggcac aaacatttcc 240
 tgtgggtagg acttaggaag cagtgcagg aatcgggcca tcggaaggcc taagcacact 300
 gggcacaggt tttctgcccc tagcaaggga ctgacaataa agtcaagtga agc 353

<210> 732
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 732
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 tcaagcaacc agacatcagg ttccactact atcttcttca gaaaagctat ccagatcaaa 120
 gcagaagccc aactctcttc tgctgcgttt caacagggac tgcttacgtc cagatcatcc 180
 cagaggattc ctgtgttagc tctattagtt ctaccttctt tgagaactgc tacatagcta 240
 ccattcaata aaataaatct cagcgt 266

<210> 733
 <211> 679
 <212> DNA
 <213> Homo sapiens

<400> 733
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 aagaagatct agatgccgca tctctaggct atccgtctag gctatccggc tgagacaagg 180
 ccttctgcag cccagctcac atatggtata tttcagccag cgagagctca actaactgca 240
 gaacatccag cactgcatgt catatcgtgt caccacttg ctgagggcaa gccagcatg 300
 gtttgggtctg aagctgactt gaagagctga gagttcaaga cttgtcactg ggtcccaaaa 360
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 aaaagaacat ataggggtgct tnttctgcaa gctgcactgg cctttcgcta ccccaaaacc 600
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 ctggcattac tttttccaa 679

<210> 734
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 734
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 cgcttcccag gttcaagtga ttctcctgcc tcagcctcca gaagaggtgg gattagaggg 120
 atgcaccacc acacttgggt gattttttgta ttcaccatct ctaccaggcc aggctgggtct 180
 tgaactcccg acctcaggtg atccacccac ctcagcctcc caaaatgctg ggattaaagg 240
 cgtgagccac catgcccagc tgctcaacat ttcaaacaga agtttaatta tgaagagaga 300
 attaaatggc aattttttacc agtaagacat aagcctaaca tcattgactg agagaagtaa 360
 atgctgtcaa aagat 375

<210> 735
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 735
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 cttgctgtat ttggaatgga gtccagttct aaggttcaag agttctaaga gtccctgagg 180
 ctcatttctc ctattgaaat agttcctgag taaaatctgc ttttatggct ct 232

<210> 736
 <211> 571
 <212> DNA
 <213> Homo sapiens

<400> 736
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 cttgtgccag ctgttgagggt tgtgacacct gtgccagcat cgccgggtct gccactgtc 120
 atctgttcca actgttccat ctgcactgtt tgtaccaatt ctcccatttc tgcactgtca 180
 ctttctgcag aaacgtttcc aacaatgcca gctgtgtcat tgggtgcaaa tatgccagat 240
 gttctatttg tccaccctgg gccaaatcaa tgcagttttg tgctcattag ttttagctgg 300
 tagattctat tttacaattt tttgatttgn attttgattg aatccaggca aaatccccct 360
 ttcaaagatt ttgtgtctat ctatccatct ctttgcaacc ccaactttat atctgacaac 420
 atgaagttgg tcaatgttat tcccgatctt attaaaccan cccaatatta agtgngggta 480
 ggggcatttc ctacccgtgt nagactatat atcgcaaaaa ccatgcaaca tagggataag 540
 ttggcaaaaag tnanntaaaa aagaatacac t 571

<210> 737
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 737
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 agtgatcaag aactgaccaa gcttgtctcat cccaagcccc cagccacaag caatagggga 120
 tcccggtaaa ggtttgccga cctaagctgg tngtgatgaa gccatcaaga tgatccctct 180
 ttctgttttg aggggtgctaa atccggcagg ggccattgaa gcctgggatt tactaagcaa 240
 gaagccttgc cttgaaagat gccaccaagc acaagaagat gggccaaaac canaggagcc 300
 taagaagaag acangaatct caagttgatg atatcttgaa gccatccaag aattccagcc 360
 caccatcttg aaagttttaa aagtcttgct caagggactc ttgagggtag aagggagg 420
 taatacattt ttgtatcaag ggaaattgga aagtgggggc ttcttttt 468

<210> 738
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 738
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 atggacggta tctgaggatc ggtttagcgt atctggccgg agaaattggc aacatttgct 120
 acgaataaaa cccaagcgtt tccagc 146

<210> 739
 <211> 693
 <212> DNA
 <213> Homo sapiens

<400> 739

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ataggacaag	ctcatttcct	gagctttag	ccgcagaatt	gggccagggtg	cttttaatcc	120
tcacagctgc	tctgcaagcc	tttgccctgc	ttactagact	gaaaatcatg	ataaagctga	180
gactttccct	gactcacctt	tgaatcctct	atgaatctgc	cgagctaaga	agaccacctg	240
acacttagtg	gatactaatt	caacagtgtg	ctgaccaggt	atgcaaagga	ccatgggcaa	300
tactctgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgngc	cctctcttgc	acactttgca	360
aagcttgaaa	anggaagtan	gcantgacca	ttttatatat	tgganaccag	cgtatatggg	420
aaantgangc	attaagaaga	aatataacnt	gctttaaact	acacatcaac	tgnantggca	480
naactcggag	ntagatggat	gagattntgc	ccccacaaga	cttacaagggt	gtntgngaag	540
gngttntctg	aagaaantan	catttnaann	canctgnggg	gagnaaanaa	aaaccctnt	600
gncatngnag	nnggggcntn	atccancccg	gngngggggc	aaannnaaca	aacanngggc	660
nnggggaaaa	gcnanntttt	tttttaaagt	ttg			693

<210> 740
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 740

tggggagctc	ctgcattaag	tcagaactng	aggtggaggn	cccnncattc	ntccanagga	60
tgcngcanca	agacaccntn	ttggaagcag	agcagccctc	accagacacc	aaatcggcca	120
gccattgat	cttagacttc	ccagcctcca	gaactatgaa	aaataaattt	cttttgttta	180
t						181

<210> 741
 <211> 689
 <212> DNA
 <213> Homo sapiens

<400> 741

aaatatggaa	ttcaaaaagg	cattaagaan	aaaagaaatt	ctcaagttcc	ttctgaattt	60
ctaataacac	gggaaatgag	gcttcagtgc	tcaacatgcc	aacatgcttg	gaaattcttc	120
aataccatga	cctctaaaag	cccagctaat	ttagtgaaaa	gagaaacaag	ggctcctgcat	180
accaatgaaa	ctgctgacat	cagctgatct	gaatgaccca	acaaaaagct	tacatacaca	240
aagaatgcag	ttttcacatc	ctaatacattt	cattctcctt	accctgacca	atcaatgatc	300
ccaatttgcc	agtcccatat	cctccacaat	tttcttaaaa	accccagatc	agtatatctc	360
ttggggagat	ggattttggg	gttttctgcc	atctccttgc	ttggctgtcc	tgtgatcttt	420
aaacactttt	tctgctgcaa	ccctgctgtc	tcagtgtacg	gatatgttac	tgtgcagagg	480
gcatatgaag	ctgtttggcct	ataatattat	gatggcatta	gtggccttat	aagaattaag	540
aagagaagcc	nggcacattc	gcacgcacct	gtagtcccag	ctactcanga	ngctgaggca	600
ggaggattgc	ttgancccca	ggagttaaag	gctgcagngg	gctttganca	tttntttgan	660
nanccactgn	actcttacct	gaacaacca				689

<210> 742
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 742

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gttcttacca	ttgaaaaaga	agtgtgtgag	ccaggcatgg	tggctcacac	ctgtaatccc	120
agcacttttg	gatgccgagg	cagctggatc	acttgtgtgc	aagagttcaa	gaccagattg	180
ggcgacatgg	tgaacccccg	tctctactac	aaatacgaaa	attagccatt	gtgggtggc	240
acgcctgtaa	ttccagctac	tcaggaggct	gatgtgggag	aactgaaccc	tggaggtgga	300
gattgcagtg	agccaagatg	gcgctactgt	gctccagcct	gggcaacaaa	gcaacactat	360
gttttaaata	aataaataag	tgctgagatc	tcagaaaata	c		401

<210> 743
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 743
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 ccagatggcc tgaagtaagt gaagatccac aaaagaagtg aaaatagcct taactgatgg 120
 cattccacca ttgtgatttg tttctgcctc accctaactg atcaatgtac tttgaaatct 180
 cccacaccct taagaagggt ctttgttaatt ctccccaccc ctgagaatgt actttgtgag 240
 atccaccctc tgcccgc aaa acattgctct taactccacc gcctatccca aaacctatag 300
 gagctaata taatccacca ccctttgctg actccttttt cggactcagc ccgcctgcac 360
 ccgggtgaaa taaacaacct tgctgntcac accaannnnn nnnannnnnn nnnnnnnnnn 420
 nngggggggg gggggggggg cctttt 446

<210> 744
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 744
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 agtggaaagt gggcaaggcc aaggatcatgc tacagaatgt gactgagcaa cagggggatc 120
 acttcagctg ggatgggaaa ggaaagcctc caggaggagt tgacatcgaa tcacagttga 180
 atcctaanaa gtcagtcttg caaagatcta ggaaagaac agctaagttt ctaagggtgcc 240
 cagatttcat attgctcaaa cacacatgct ctacaaacaa tttatacaga caacggcaat 300
 catcaccagg atcctggaga cgagatacat cctcagctta ngaaagaaga cgggggattaa 360
 agaagattaa aaggacceng gnctttcgga aaaacttttn aaaagtcctn nntttggnag 420
 gnaanagnna aataaaangg tcccatggna aatcttttcc caaatttant tntttcaaaa 480
 gactngcagg taaaagaaca 500

<210> 745
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 745
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 tcaggagtgc gagaccagcc tggccaacat ggtgaaaccc catctctacc aaaaatacaa 120
 gaattggccg agcgtagtgg cccacgcctg taagtccaac tactcaggag gctgaggcgg 180
 gagaatagct tgaacctggg agacaaaaggc tacagtgagc tgagattgtg ccactgtact 240
 ccagcatggg cgacagagtg agaccctgtc ccaaaaaaca aaacaaaaca 300
 agacttattt caatggactt gtcccctctg tgtcatcatt caatcatctc tgtaagttaa 360
 aatcctgnng gnggggacaa cccnaaaagg gggggaangg ttttaatttt tnnccctttg 420
 aaagtancaa aaaggggaca cctgncantg ggggaaggat ttcaaaaaag ttccccatgc 480
 cttcatgaa gtttt 495

<210> 746
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 746
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 ggggttaagc aattctcctg cctcagccac atggagtatt gctctgtggc ccaggctgga 120
 gtacaatggc gcatctttgg ttcacagtaa ctccgcctc ctgggttcaa gtgattcccc 180
 tgcctcagct tcccaattct ggaggctgga agtccacgat caagggtgcca gcatggtcag 240
 tttcttgctc tggctcatag gccgccccca tcttgccatc ttcacaaaga agagggtgtac 300
 tcacgtgacc tctcctttgt gcacaagagg agagagttag caagtgaact cttggtgact 360
 cccctacaag gacactaacc ctattnttgg aggggcccc ccttggaac tnnnttnaac 420
 ntaaatacct natttaaacc tggctccaaa aacagcccat tggactttg 469

<210> 747
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 747
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 tgccaacttt atgtgtaaag aagctaactc ctgccaacat cgtggctgaa tgaacagctg 120
 ggactatgct taaccattc ccagcttata aaagcccat ggcagctgca gtgaagcatc 180
 agattatgtg atgcaacaaa attcaaatat gaaaaccatc ttggaggccg ggcgcggtgg 240
 ctcattgcctt taatcccagc actttgggag gccgaggcac ggtgcctcac acctgtaatc 300
 ccagcacttt aggaggctga ggcggggcgga tcacctgagg tcgagagttc gagaccagcc 360
 tggccaacat gaanaaactc catttttttc ttaaatacca aaaatttncc cgccttgggg 420
 nncatgcctt gtattccac ntntcggaa ggctgaggca ggaaaattg 469

<210> 748
 <211> 79
 <212> DNA
 <213> Homo sapiens

<400> 748
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 aaacanaatt taaaaagcg 79

<210> 749
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 749
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 caaatttcct ggggcttcaa aaanaccttt tttttaaacc ttcccccaanc aagctggggg 120
 aactacaagg cggggggccnc cactttgaaa cctcgggctt aatantggga aggtaattta 180
 ctaaagtatc ttgnaaaaat ccttaatcca atattaaggg gaaaaataaa aggggttttt 240
 taaaatgggt t 251

<210> 750
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 750
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 cccactgga aacacccacn ttgaacaact attcacacaa agaagcacct tngtaagaac 120
 caaaaatcag gngccagaca gaaagnnatn tntntgctna actganacaa atgcacnatt 180
 cattgagcca gactaaggca taagngacta ttcctctatg tcccccaaca tgtaaattgt 240
 ggattcaggg aaaggctgat tgaagagtca ttaagaatgt agcatttttg ngttttattt 300
 cctggaacca caccttatct anctggaact gtccctccc cgccccncca attctgnct 360
 gttttgagag ntectgcctt tctggaccaa attnatnggc cttttnnacc canggggggg 420
 gngggggaaa atttccctaa aagggggaaa agggagcggg nccctgccnn cttgagcaca 480
 tgttgcc 487

<210> 751
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 751
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 agccctcacc agacaccaa tggccagcc cattgatctt agacttccca gcctccagaa 120
 ctatgaaaaa taaatttctt ttgtttat 148

<210> 752
<211> 455
<212> DNA
<213> Homo sapiens

<400> 752
cttccagagg ctgcctgcat cacttgccctt ggggccctt cctccatctt caacaggagg 60
ttgagttcct catcacataa catcactcgg accttgctctt ctgcctcgct cttccacttc 120
taaaagcccc agtgattaca ctggactcat ccaaataacc caggatcatc atctcctctc 180
caggatcctg ttctgcggcc caggctggag tgcagtggct tgtggaaaac tgaactcatc 240
tttataattc ctttttttatt gagacttacc tagaataatt aacatttgaa ttttaattaaa 300
aacagttcct ttgtcaaact taaccctaatt ctccaatact tttgtaggct accttcttta 360
ataacaatca gaggaagaat tttctgactc tttaaaaaaa aganctaaaa aaanaanctt 420
tatngccanc acataangen ttttttttcg ggccc 455

<210> 753
<211> 433
<212> DNA
<213> Homo sapiens

<400> 753
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aaaaggagggt ttaatggact tacagttcca cgtggctggg gaggcctcac aatcatatca 120
gaaggtcaca gctgatgcaa gaggcaggct cccacagcct tgagcagctc tgcccctgtg 180
gctttgcagg gtatagctcc attcctgact gctttcgtgg gctgggtgtg catgtctgtg 240
gcttttccag gcacacagtg caagttgttg gaagatctac cattctagcg tctggaggat 300
ggtggccctc ttctcacagc tccaaattat atgctggata tacaagagac tcatgaccca 360
aactgggaca acaggaatgg ctttctggga naaaanaaat ttgggncccc aaccngaaa 420
aaaaaaaaacc cgg 433

<210> 754
<211> 74
<212> DNA
<213> Homo sapiens

<400> 754
atacctcaaa agggagttgn tttaatgtct aacaacacag aaggaaataa aagtgcctgt 60
gattaaagtg cttt 74

<210> 755
<211> 390
<212> DNA
<213> Homo sapiens

<400> 755
atgcatttgt cattgaagaa aaacatctta caaaggaagt ttaaaagaga acccagatga 60
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agctgagaag ctaaagacgg ttctacaata tcatattcca aaggcatcac agggtttagc 180
tgctaattgca ataaagtggg ttttgtcttg gaagcacgca acatcatgaa taacattgtc 240
atctggaaac aatgagccaa taggcacat tttgtgttg aaccgagcag gcttgcttga 300
ttgtggatgc agatatgccc accctacgta agttgacatt ttgtacagac tagaagaaat 360
gtgtggtatg agatcaataa agaagtaact 390

<210> 756
<211> 149
<212> DNA
<213> Homo sapiens

<400> 756
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cagccctcac cagacaccaa atcgccagc ccattgatct tagacttccc agcctccaga 120
actatgaaaa ataaatttct ttcgtttat 149

<210> 757
<211> 447
<212> DNA
<213> Homo sapiens

<400> 757
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taatccacaa actgaaaaaa tgagattgaa tgaattcctc tttcaaaggc aaagaaaagt 120
taaacagtgg cttctacaag aaagggtgaac tccttataaa tgaaaaaatg acctttgctg 180
catttgaggt gttgtctgtc aacattatcc gtcccttttg agggtagtgt catctgataa 240
catttttgag tcatgggaaa tttccggaaa cagaacagca cacagaaagg actgacctat 300
ttctcttaga gtaacatcct cgtggctcat ccacgagaaa ggaccttgaa accttgaagt 360
attctgtggn atcctgtgng tacacagntc tttttttaa anaactttaa nacctttacc 420
ttngngggct tgnctttaa gggaaaa 447

<210> 758
<211> 472
<212> DNA
<213> Homo sapiens

<400> 758
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tctgactgcc tccaggcata cagccagaac tcactgtgtc tggacgggcc tcatactaca 120
gcctccacc cttccaacct cctctgcgac agactgtggc tatgttcttc ctgctgaaca 180
ccacctctgc cctgatggct cctgcaactt ggacaaagt acaagggtgaa gttcaggagg 240
ctctgtgttg ctgaagaatt ggcccttgagg ttatttcatg cctgaatgac cagtggttta 300
ctaccagaat catctggctt cctgcaagga agatttgggg cttggtatct gttccctctc 360
cagactcagc agacacctaa ccaccgctga aagtcactga aatcggatnt ttnccttcnc 420
aaaaanggnn tcttnanntt tggattcncc aaaggacag agggaaaagg gg 472

<210> 759
<211> 423
<212> DNA
<213> Homo sapiens

<400> 759
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ggtctctaata ttggaatacg tcctctagca acgacctgag gcttaacatc tgctgattct 120
gtgctactgt aagatagttc ttagtttact gggctctgaaa agcagggttc tcttttaacc 180
tctgggattt cttaacagtt gctaccgggtg gtatgatcac ctgatgatgt acttttagcc 240
aactgtgtgt catcaatagg ggtttgtctg ttttaaagaa cattcaaaga aaaggaatgg 300
ctagtcatat ataggagatc ttgtagctg ggatttaagg gagacttaga gaaaagctaa 360
cgggaaaagg acgtgcattg tggangaaag gggggcngct gtnaccnttt taaaaccct 420
ttt 423

<210> 760
<211> 465
<212> DNA
<213> Homo sapiens

<400> 760
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nactnact cctngccta cactggagng cagggngat catagnnac tgcagcctcn 120
aactcngag ctnaangnat cctctngctt naccttctctg antagctggg actacaggct 180
nggncacca tacctactat ttttnatttt ttatgganac aggcntncan tatgttgacn 240
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ggattacagg cntgaccac ctcgtntagg caaaaaacag ctnaatgggt ccagtccttc 360
agtctgtctc ctggccaaca ntggacctt naaagggtta ccaagttctt tttcaggggc 420
gttggnaaaa aaaccctta tngttggaac caaaaaagg ggggt 465

<210> 761
<211> 427

<212> DNA
<213> Homo sapiens

<400> 761
gtaggcagtt tggaaacctg cccagctgc tgcagtcata tcagacttgt tctctggctt 60
atagccatga agacacaacc acagccttca tgggtattctc cactcctgat cttccagctt 120
aatatctgga ctaacaagaa acttaggact ctgaccagat gtaaaattaa catgttttgg 180
aagcggcgaga gtaatgcccc accaactttt ccccaacatg gggcataaac attgtaacat 240
ccagtcctaaa tgtcaatcca gttttctcag agataactgc tctaataataa gaatgtgtgc 300
ttgtacagag tttgtgatgt gaatatgtaa attttattta tgccataatc tcactacagt 360
acatcaaaca gagatgcaga atgntacaaa ttcttcaact anacagnttn gggcagggtt 420
cacaac 427

<210> 762
<211> 435
<212> DNA
<213> Homo sapiens

<400> 762
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ccgggttcag gctattctca tgcctcagcc tcctgagtag ctgggactac agttcacagc 120
cgcggtggcc tccagcctga ggattctcct gatacatgct actaagggct cacctgtgct 180
tgccttctcc ctgggagctg tgcactcaca gttaactctg taggttgaat acatgccatc 240
tgctctactc cctgttcaaa gccactcagc cataaaggaa taaaatagga agaagcgaat 300
ggcaatggag atgcaaaaag tgtcaacaat attttggaag acataagttg tttggacaaa 360
agacttcgaa tttaacgtca gctttctcca ttctgctgag nggctattcc tggagaaanc 420
cattaaagaa taatt 435

<210> 763
<211> 202
<212> DNA
<213> Homo sapiens

<400> 763
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agatcattcc ttccatccca gaagaccctt catgcacctt cccagtcaac actccctact 120
tcaagacagc cactgttctg gtttctttca tcaaagataa gttttcccag ttgtagacct 180
tcaaataaat gaaatcatac ag 202

<210> 764
<211> 292
<212> DNA
<213> Homo sapiens

<400> 764
agatggatct cgaactcctg ggctcaagcg atcctttcac cttggcctct caagtagctg 60
ggaccacatt tgctcaccag ctggcccaag accagactgg gcaacatggg tcctcctcct 120
ctaagattcc aggaccatga tcctcctct attgctact cttagatcag cttgtaatgt 180
ccatctcccc caccagactg cgtctccagc atctctgagt cccagggcc tggcctgggg 240
cttgctacat ggtgggtgct cagtaactgt gaggtaaata aatgaatgaa tt 292

<210> 765
<211> 121
<212> DNA
<213> Homo sapiens

<400> 765
atggagaaac tgagcctcag agtgggttaac aacttgccca aggtcataca gctgggaagg 60
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g 121

<210> 766

<211> 528
 <212> DNA
 <213> Homo sapiens

<400> 766

acctaactna	aaataaatgt	gaagannaaa	cacgaagctc	tatgacacac	ttgatchnaat	60
atgacaaaca	ccnaaaattn	ctactcagtg	cacttacatt	gcgcttacat	attctggcct	120
tactactgtg	ggcggcgngc	ntcagggtcg	aaccttcttg	cttnnttgcg	ggactccttc	180
tggntgggca	attgcagaca	cttggttgagc	aaatcatcaa	ggggagcaag	caagtgtaca	240
ggtacaccta	acgcacgcat	gccccacctt	cgtgcctcgt	gtgtacgcgt	gcgtgctcgc	300
ttcatgtgcg	aagcatcgtg	gcgggggctcg	cctccaagct	tcagcgaagc	ctccgtgccg	360
tgccgcgctg	cggttgctcat	gtgccgtgcg	ttgtgcgggc	ttcacttttc	gggcttcaac	420
gcagttttga	aagaagcaga	agccttggaa	ccaanangaa	tctcaaagta	tgtggtnngct	480
tgcaaaaccc	tttcttcgct	tggcctgnaa	naaaatccaa	gggactct		528

<210> 767
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 767

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gaaccaggac	tcccatagtc	tctctctggc	ctctgtgctg	tctggcaaac	agccgtgtcg	120
ccttggcctc	gaaccctgga	gcctgcctca	ccaggagaca	gaatcaagga	caggggcctc	180
gccttggcac	aaggtggccc	ttcgtgtgctg	tacataaaca	cttttcccag	gatataaata	240
aggtccacag	gcactcggga	ggaatgggtg	tgttgcgatt	tacggtcaag	gagaccagga	300
tgtcattgc						309

<210> 768
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 768

agaagaaaaa	ggcctccac	agagaatggc	caagccaggt	cactgctatt	tcccaacaga	60
aatgaaaact	ggaattgagc	catgtggaaa	gatggaccag	gccacaagaa	ggtcttcggg	120
acaaccctga	aagaggtgac	ccagggagac	agagtccagg	gtcctttcaa	atcactgctg	180
gcaggagcaa	agatcaagat	aggtgaaaacc	tgatattcaa	atgcaggcgt	ggaaaaagaa	240
taggcacagt	ggttcataca	tgtaatctca	gagctttggg	aggccgaggc	aggaggatcg	300
tttgaggcca	agattttcaag	gctacagtga	gctatgattg	caccactgca	ctccagcctg	360
ggtgacagag	caagactcgg	tctc				384

<210> 769
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 769

gagaggcaac	gtttcaccat	gttgaccagg	ctgcacgggg	tccatTTTTg	tgctcacctg	60
tattcctaca	gcctcacaga	atcctggaca	caaagaaaga	cttaacaggg	ttcattcatt	120
cctgaaccaa	agcggctgaa	cgatgtcaac	aggaccagag	aggctacagg	aacgccatat	180
tttcttctac	atctcttttt	ttaaaaatct	tattttcaatg	gagtcaaact	caataagggtg	240
aattaaagga	aaaagagctg	acccaaacaa	acaagcaaac	agaaaccttt	tctgtcctgt	300
aatgttttag	cgcaagataa	gaagtgcaaa	tanagaagtt	taaaaagcta	attaaagggg	360
tttgtttg						368

<210> 770
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 770

09428674.102799

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cacgtttatc	ttcgacttcc	cggtcgtcag	aactgtcatg	catgctgtta	ctgatctgct	120
atctcatctt	gtcggttggc	atatggcagc	agagccaggc	ctgcagctcc	tccagatcct	180
gatggatctc	cttcagcatc	tcagaagcct	agattaggta	catgtaccag	ctgtgcagct	240
ctacctacat	ggtaggtaag	cctttccata	aaagtgaaga	aagccccgta	tgaatttttt	300
caatgaatca	agactctgta	taaaatcagt	tggctaaaag	gagagcacat	ctgctcactt	360
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caaaattgag	acaaggaac					439

<210> 771
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 771						
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gacttcctgg	gctcaagtag	atcctccac	ctcagcctcc	cacatagctg	gaactacaga	120
gtttactcca	ttgctgactc	ctcattgaac	actttgctgc	accaacccaa	ccaactcaga	180
gggttagaga	attgtttgag	accctccta	c			211

<210> 772
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 772						
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gaattttcat	cggatgatcat	gactgccacc	cctaccgcgc	aatttcacaa	gtgggtctct	120
ataatcccac	aacagccctc	tgacagaggc	actgttatca	ccccgcttta	aaggagagga	180
agcggcgggg	caccgtggct	cacacctgta	atcgcagcac	ttcgggaggc	caaggtgggc	240
ggatcacgag	gtcaggagac	tgagaccatc	ctggctaaca	cagtgaacc	ccgtctctac	300
taaaaataca	aaaaaaagtt	taggcaggcg	tgatgggaca	ccccctgtag	tcccaactac	360
tcgggaaact	gaggcaagag	aattgctgga	acccgaaagg	ggcaanggtt	gcagtgagcc	420
gaaaatcacg	tcattgctctc	tagccctggg	gacagaacaa	gacttttgtc	tcaaaaa	477

<210> 773
 <211> 567
 <212> DNA
 <213> Homo sapiens

<400> 773						
atctacctac	gttaagtcag	nnnactanan	ggccaacaga	anacttngaa	aaaanggaag	60
ggaanaaaga	aaaagaangc	accaactctg	caaagtctctn	tggaaatctgg	gaagtcaagc	120
ganggcttnt	gccttnttca	tggtgaccct	tttgagcaag	ttcagcctgg	ttaagtccaa	180
gctgaattgg	cctcgctggc	ctatatgtga	ttctatatgg	ggcccgtctat	ngggccaaat	240
tcttttggct	ttttaccctg	gggaaagaaa	atactcatta	aagccacctn	ttgttattta	300
cccccaaate	ttcacaaaag	aaaaaaaaaac	naactcccag	caaaaagccct	tttttggent	360
ngnacctggc	tccttttgaa	aaccagtggg	gccttgccca	nngaattncct	ttgccccctt	420
gtgccccgcg	cettacnact	tcnatcccc	accttacent	ttggtccac	ttcttggmcc	480
ggncnacaag	ntttcaagtc	canggtccnt	ccatnccttt	ttctttccac	tttcatttaa	540
cccacetaaa	agaaaaagcc	cttcctt				567

<210> 774
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 774						
ccgctcatat	tcaggggcang	angtaacagn	gcggaattta	anacgcaaag	naagattttg	60
ttggagaana	aatgagattt	ctttgncnag	gaaccagccc	gnccttttga	gcaagttcaa	120
gcctggttaa	gtccaagctg	aattggcctc	cgctggccta	tatngaattc	tatatgggccc	180
ngctattggg	ccaaattctt	ttggcttttt	aacctgggga	aaggaaaata	acttcaataa	240

aggeccnccn tntngttttt aaccccccat tcttttnana aagaaaaaaa acgg

294

<210> 775
<211> 217
<212> DNA
<213> Homo sapiens

<400> 775
ggaccacact tcacaaaagg gagcaagaag gcagataacg gcaaagaaaa atgtttgtag 60
tttactgtgg aggaccaagt gagttttatac agatgtttac ctcccttggg attatttgct 120
gctggctaga atgaaaagac aaacattccc ttcaaacagt atgccattgc ctaataattt 180
tgcaagctca aatgaaatcc aaccaaattc agaattt 217

<210> 776
<211> 191
<212> DNA
<213> Homo sapiens

<400> 776
gcatcagcaa actttggcan cagaaagcan aggactccag gcaactgctca tccctacagg 60
ctgctgggtg aacaccctcg ccaaagaagg agactgcaga aatccctcctt gatggtatca 120
gctcactctc tcttaaatgt tcatccactt ttaattattt acaactaata aaacatgtaa 180
taacacggtc c 191

<210> 777
<211> 284
<212> DNA
<213> Homo sapiens

<400> 777
agtaaataat ttcaagtact gaactaattg ctggctcata aggcggagtg ctactgcatt 60
tctgaacagc aggtccaact gtctaaaaca ccttttctaa agcatgaagg aggtgatgg 120
ccatgtcaac gttttcctca agatcaagga atcaatcctt tacgttgtgt aatgaaagga 180
ttcattctgt tgatttcccc catacaaatt atgtgttcca cagatgaatt tctgcttcaa 240
cctctcggga ggcttaataa aaggccttga ggctttgaaa tgac 284

<210> 778
<211> 102
<212> DNA
<213> Homo sapiens

<400> 778
ggacaaagct tgggcccgna gntctccctt tgggcacccc ccaccctcct tggnacaaang 60
cctgatgtnn agtcttgggt gcgactcata cgggcctggg aa 102

<210> 779
<211> 369
<212> DNA
<213> Homo sapiens

<400> 779
gagtcaccag gttcacggaa caagctccaa caagcacctt gtgctcagcc acatggcacc 60
tctcctgggt tctgcccatt ctgcgcggcc tctgctctgc tcaaatggct acttaccttg 120
aagagcttcc cctctaggct ctacctgaac ctactctct tccgggaatca gaagataaat 180
catttccaca caatatccga aaaggatgtc actctttcta ctatgtattg tggattctaa 240
gacacacag gtttttcaca cttggacatc tctgaagctg gggatgtatc ttataatcca 300
agttgctcag ttataattag cattttttct ttctcagtgg tatataaaac aatgatacaa 360
cttcaaaag 369

<210> 780
<211> 174
<212> DNA

<213> Homo sapiens

<400> 780

ggacatctga	atcaagctat	gtaaaggcaa	aacctacctc	atgctcagag	actcagcatc	60
ctcactgaat	gcgtcatcac	gcctgatgaa	gcacaagaga	aaacaagaga	aactgaagat	120
catctatatt	tagtgctaga	aaagaatcac	aaataaatat	taaaatacac	actc	174

<210> 781

<211> 359

<212> DNA

<213> Homo sapiens

<400> 781

gtcatgtgac	ccaagaccat	cccataagcc	ntgantttng	gantttttggt	ggancngcnn	60
ggaaaaanaa	actttncntt	cattggantt	ggaatggann	agggcgggtca	gtttgaattt	120
gcagggnctt	gccttgccgc	ccatgggaaa	gggcttgccg	aggactggaa	nctaccaagg	180
agggaggcag	aggacaccgg	atgtgggtga	aaatacgggc	cctaacacat	cattttganc	240
cttgattca	cccctgcctg	gccttgaaac	caatacatta	ggccccaat	atattattng	300
gaatatatat	atttnggaat	atggtgtatt	tagaanccaa	tttattagaa	acccaattt	359

<210> 782

<211> 194

<212> DNA

<213> Homo sapiens

<400> 782

tgggatcaaa	gaaagcacca	gtttctgaag	acatttaata	cctgaggnet	caagactagc	60
acaaacttca	tttttaaaac	aatctacgtt	gccttgtttt	atgtntaaga	tccaaangtg	120
ctagacnagt	tctttattgt	caatctacca	tgtgtgcgac	cancaacnnt	taaggatgac	180
ttttgttaaa	tatc					194

<210> 783

<211> 390

<212> DNA

<213> Homo sapiens

<400> 783

gtggcaaccc	tgcataaatc	aaatctatca	ancaccattt	ttccaacaac	atatgctcac	60
ttttcatntg	ggtcangcat	tttttancaa	tattttaaaa	ttaagatact	gccatctttt	120
gcaaattgaa	ggtttgccga	aaccctgcat	ggaggaagtg	tatcggcgcc	atttttccaa	180
cagcatgcgc	tcacttttgt	tcttttttca	cattccccca	aagagggaaa	cagcacagga	240
ctgggcagtg	caatgcttcc	atagtgcacc	tcattgcatg	gaccgttccc	ctgaggctgg	300
tgggcaagcc	agcgccaagc	aaccactct	gtgatcaacc	cactcccat	gggaagtctt	360
gcccttgggtg	gcaagtgttt	ccatagtaaa				390

<210> 784

<211> 399

<212> DNA

<213> Homo sapiens

<400> 784

ctnacntntn	nagtccaact	gagnannaan	gcattggtct	nganggagng	aaggnnattc	60
cctnagaggc	cacaaaccag	ggaacgccan	ggcggtctga	agctaccaga	agagccagga	120
gaggaaccag	ggatgggttc	tttgccctac	agccctcaga	ggcgccaacc	ccgctgacac	180
ctggatctcc	attcctagcc	tccagaactg	tgcaagagta	ccgtttctgc	ctctttctgt	240
aggaaaccac	ccagggtgtg	gtgatttgta	tggcagcccc	cgacactctg	gcaagctcca	300
tcccagcgtc	ccctcctccc	atcagctgtg	acctcatgtt	cctctcctgg	actctgttgg	360
actcatggca	agaatatctt	aataaacgca	tgttaaagc			399

<210> 785

<211> 117

<212> DNA

<213> Homo sapiens

<400> 785

gactctgga	gctcctgctt	anancnntnn	tgtagaatt	ggaagctaaa	gctaccaaaag	60
acgtagaaaag	aaatccttagc	agggatttag	tgcaagaaga	agaacagttg	atggaag	117

<210> 786

<211> 262

<212> DNA

<213> Homo sapiens

<400> 786

gaagccctc	tgatgcagt	ccaccagaga	ggagcagtc	attatcaaag	aagattatgt	60
gggctggaga	cccaatgcag	gaggaagca	gcaggagttt	ctgggaggat	ggcagagggga	120
gatgacggga	taactgcact	ccaggtggca	aaagcaaccc	atcctgacag	gacagtgtga	180
cccaagagcc	atgcacagta	aggggtatca	tcgcatgcc	ctctgcctca	tgcaatctta	240
aataaatatg	aatatatattca	ac				262

<210> 787

<211> 513

<212> DNA

<213> Homo sapiens

<400> 787

gnngaaagc	tagncgnncn	tgnannneca	gtgctggagg	aagncnngn	acatctacnc	60
cacacanaan	naagncnatn	attnacaggg	cattttacta	atnanangcc	atgctgggn	120
ngcagnggtg	cantttngnc	tnactgaann	ctctgantgg	nggggtcaac	gatccctccc	180
acctcagcct	cccagagtagc	tggaactaca	gaaattattc	ctttgcaggt	ggtgcaaagg	240
atcagcacgg	gagttttgac	ctgctccgtt	tccgacctgg	gtcggttcac	ccctccttag	300
gcaacctgtc	ggttccccgc	tccagggagg	tcacctctt	gatgctgaat	ttagcacgga	360
cacctgatgg	gcacagtga	ctgcagccca	gagctcctga	gctcaagcca	tcctcctgcc	420
tcaacctnca	agtagccagg	accacaggcc	cccccttgn	ggggaagaaa	taccaggtgc	480
gcatgcttca	anaaaaagcc	gctgaggacc	cgg			513

<210> 788

<211> 284

<212> DNA

<213> Homo sapiens

<400> 788

gaagccaact	ctcagggtct	tcctccgctt	ctgttctctc	atgccccctg	gtggaggctc	60
ccagatggac	gctcagacac	ggaaggtcca	gggagatgcg	tgatctgcc	gccatgtggg	120
tgaccaagc	tggtgcctcc	attggaagcc	tctgtccggg	gccacatcct	ccctgggttc	180
cagtccccac	ctgccagggt	gacaattagg	caatttgatt	tactaaggag	aagacaaaga	240
aagaaaagga	gaaatatctt	aagaaaaaaa	agactgtgaa	aaag		284

<210> 789

<211> 400

<212> DNA

<213> Homo sapiens

<400> 789

ctggggagct	cctgcattaa	nnnganttg	ttgganntgt	gtnacagana	aagactcggn	60
gaatgcenca	cannatgaa	ggcangtgat	gcattctaaa	ggccaagaaa	tgtcaaagac	120
tgcttgcaaa	ccaccagaag	ctaagagcaa	aagcacaaaa	gcgattctct	cccacagccc	180
tcagaaggaa	ccaaccttac	agacatcttg	atctcaggtg	tgagacctcc	agaactgtaa	240
gacaacaaat	atctgctgtt	ctaagctact	tagcttggtga	taatttggtca	aggcaacctt	300
aggaaataaa	tacaggggaa	ttcaaaaaaa	aaaaggcngg	ngnggncnnt	naanttnggn	360
nttancnagn	cngantttgt	tnaaaagggg	gggggggggg			400

<210> 790

<211> 432

<212> DNA
<213> Homo sapiens

<400> 790
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aggtcatgaa agccactgaa agactgagaa ctgttccaga aaggagacta gagagacatg 120
gcagccaaat gctccacata atcctgtcct ggattcttct cctacaaagg aaggggtctg 180
aggattaggt ggtagtactg aatcaaggaa ctatcatctc ctattgtgct gtaggatctt 240
ggcagccaga cccagctcc cactttccct gaaagctccc tttaatgaag ctgaacgctg 300
tcccagcaat tccctccaca gaagacctac tgtcaccacc tctggagggg caattcctgg 360
aggaaccaag tcagccaatc gaaggtcctg aataagcaaa aactaagtaa ataaattacc 420
atctcgaaag tg 432

<210> 791
<211> 520
<212> DNA
<213> Homo sapiens

<400> 791
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tccaaggagc aggttcaagc acatggtggg gaaaagaatg aagctgtttt ctccttgtgc 120
cctccaaggt tctcctctta caatatacta cttacctcgt ttctcctgga attctcaata 180
tctgtctagc ccagcaggtt gaaagatgtc atcagcacgg tgactggctg agatcaaadc 240
ccatttttgc acttaatggt ttgtaggaaa gtagacagaa tgctatcctc cacgtacett 300
gattcactta tctgtacgat gtggataatc gtaggatcta cctcatggag ctattgngaa 360
gattaaccag ccacaaagat cttaaatcag ggtctagctc atggtaagtg ctcaatcaat 420
gatagcaatt tatcatcatn cctcttcant ggaanaccct gatgttcatc aaaaaattta 480
atgctcatta acctctaaag aaaaanggaa aggagaaaga 520

<210> 792
<211> 350
<212> DNA
<213> Homo sapiens

<400> 792
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tctactgtcc atggggcgga ggtggagctg attcatacag aatttgagaa tcttgcttgg 120
cttaccatct aaagatgact caaaagcttc ttacatccaa atgaaacgct tcaactcgtt 180
cgtaaagaat gtggcatctt taggggttgc ttacagtgta cactatgaaa acctggatga 240
cagcaacggc ggtggcagca aagtaaagca gcaaagtaaa aaaaaatcct gttttgtaat 300
ctccctttgt caaatcacc cccaactggt aaaataaatt cttaaaccatc 350

<210> 793
<211> 409
<212> DNA
<213> Homo sapiens

<400> 793
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ggctttgaga aaaagatgca ggaaaactca agacaggatg ccatgctgct tttggacatt 120
acaaaaaaca gcagaagagg gagccccgca aaggggcact ggtatgacct ttatgatgga 180
gaagaaagtg attacccctt ttctgcctct gcagccacaa aacagatcaa aacctatttc 240
agaacaagct aacagactct aagaaaaatta tgtaagacat gaaagtatgt gaattgttac 300
agcaatcaga aaagaattaa aaaatttaaa aatgcatttt aggagcaaag actaaacaac 360
aaataaacac aacatgtaat gccctaagaa aaacagaggg gtgaaaatg 409

<210> 794
<211> 276
<212> DNA
<213> Homo sapiens

<400> 794

cagnaccta	gtggctaagc	tcctacntcc	tgttctggaa	ggntnttcc	gaccncacac	60
atgagccata	tntntttcat	acngacantn	tatnggtgag	ggaaaggcaa	catttggaag	120
gactggacnt	tttaccttaa	ggggatttta	aaaaatcacc	acaatggact	attatcacaa	180
cntnggattc	aaaatttatg	gattttccctt	ccttttgggt	acccaaaagg	tggacttngg	240
aagaaaaaga	ngaagttggg	agcttaaaat	aaaccg			276

<210> 795
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 795						
atggagtctt	cctctgtcnt	ccaggctgga	ttgcaagtgg	caggatctcg	gcttactaca	60
acctccgcct	cccagattcg	agtgattctc	ctgectcagt	ctctggagta	gctgggaata	120
caggcaccca	ccttcgtgcc	cagctaattt	tttgtttgta	tttttgtaga	gaccgggttt	180
caccatgttg	gccactctgg	tcttgaactc	ctgacctcag	gtgatccgcc	cacctctgcc	240
tcccaaagtg	ctgggatgac	aggcttcagc	caccgtgccc	agccaagatc	aagttgttgt	300
tggcagggtc	gcactccctg	caaaggctgt	aggagacaac	ccatctttgc	ttcttcagct	360
tctaggggct	tccgcagcat	gccttggcgt	gccttgcttg	nggctgcatt	actccaatct	420
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gacaggtatc	attggaatta	atggccctcc				510

<210> 796
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 796						
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actagcgctc	ctcctctgta	actgaggaac	aagatgccaa	ggagacagga	gaaagaagag	120
aatncctttc	tngtttnggc	cntaaccenn	gaancanant	ngncntgan	cntngtaaat	180
aagttacatt	tctgcagagg	tgcttgacgt	tcacaccgtt	tggattgctt	tattaaaaga	240
ctcttttttag	agccc					255

<210> 797
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 797						
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caggcatggt	ggctcacacc	tgtaatccca	gcactttggg	atgccgaggc	agctggatca	120
cttgtgggtc	agagttcaag	accagattgg	gcgacatgat	gaaaccccg	ctctactaca	180
aatacgaaaa	ttagccattg	tggtggcaca	cgctgtaat	cccagctact	caggaggctg	240
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ctccaacctg	ggcaacaaaa	caacactatg	ttttaataaa	ataaataagt	gctgngatct	360
tcngaaaaat	aaaaggnnan	nnaagnnggg	nccnngnggc	caattaacct	tgggaattna	420
ccnggntgan	gtttttttta	aggggggggg				450

<210> 798
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 798						
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tgacctcccc	gactaagggtg	tttctcccac	ctagcttgat	gactttattt	gtgtactttt	120
ctgtattcca	aatcctttgt	aatgactatt	gtaaaggatt	acattatgga	gctcaattat	180
ttaggaaata	aatccctcag	acactt				206

<210> 799
 <211> 571

<212> DNA
<213> Homo sapiens

<400> 799
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aagctngang tgnccacggg aggatcttaa cttactggaa nctttngctt ccgggttcaa 120
gcgaatcttn nacctcaacc tnccgagtag ctgggattac agacgcccc cttatgctc 180
ggntaatattt ccganttttg gaaaaaaggg gnttcacat tttggccagg ctggncctga 240
actcctgacc tcangtgatt cgcctgcctt ggcctcttaa aagtgctggg aatacaggcg 300
tgagccaccg ngcccaaccc aaacgtttat tttctaattt acaggctcagg gggaaagaaa 360
gntttatttt ggtttgcttt ttcccttgag gaactgaatg gtttctcett tctgaattta 420
aaggaaaata acttactggg ggtctctttt ttgcctcaa aatttgctan ccagtaagn 480
cccttgtagc tctgttattc tttataanca acaatgcccg ctttttnccc nccctgaatt 540
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<210> 800
<211> 204
<212> DNA
<213> Homo sapiens

<400> 800
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gttgaaaagg cacaaaactg gaggtaaaga agtctacata ggagggtcaag gactcctttt 120
ctggattatc ctaattaact attaaggagg aagaattaga gacctagatc ataacagata 180
attcattaaa ctagaacttg gaag 204

<210> 801
<211> 528
<212> DNA
<213> Homo sapiens

<400> 801
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ggtgacgaaa atgaatccaa ctaaaaatac ttgcttctct agtcttcctt acaattagga 120
gtagccttgt aaccttggtt agccgacaag aggaatgtcg agatttgtag ggagttttgc 180
tccgttgccc agactggagt acagtggcac gatctcagct cactgcaacc tccaactccc 240
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gggttacagg catgagccac cacgcccggc caagacaata acatttttaa tcctacatca 480
aaactttaca tttcaaaaaa tgcattttct angctgagac atttttat 528

<210> 802
<211> 468
<212> DNA
<213> Homo sapiens

<400> 802
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caggcatggg ggctcacacc tgtaatccca gcactttggg atgccgaggc agctggatca 120
cttgtggtca agagttcaag accagattgg ggcacatgat gaaaccccgct ctctactaca 180
aatacgaaaa ttagccattg tgggtggcaca cgcctgtaat cccagctact caggaggctg 240
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ctccancctg ggcaacaaan caacactatg ttttaaataa ataaataagt gctgagatct 360
cagaaaattc ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnggggggc cgggggncct 420
ttttntttt natttaaacc gggttanttt tttaaaaagg gggggggg 468

<210> 803
<211> 212
<212> DNA
<213> Homo sapiens

<400> 803
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ncacttccac ttaatgaaca gcctgagccc cttcaccttn tgccatgngt ggaagcagcc 120
tgaggacctt cccnaagggc agantctggg ggcagctccc ttgtccaatc tgcagaacta 180
tgagccaaat aaaccatttt tctttataaa tt 212

<210> 804
<211> 323
<212> DNA
<213> Homo sapiens

<400> 804
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gcanccctt catgttggac ttncagtcn tnagaacctat gagccaanta aacttctatt 120
gcttatnaac tactannatc tcaggcatct tggtaccgga gcacncantg gtcttttnaca 180
tttaataatg tgaaatgcnt tggagtntgc tttgtacatg atnagcactg antaaatatt 240
anagatcctt angnggganc nntncattgn tacctctctt ataataattt aaaagttata 300
aaaccaaaaa gccttcgaac tgt 323

<210> 805
<211> 477
<212> DNA
<213> Homo sapiens

<400> 805
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ggcgacacc aacacaccca gctaattttt gtatttttag taaagacggg gtttcacat 180
gttggccagg atggtctcga tctcttgacc tcgtgacca cccaccttgg cctcccaaag 240
tgcagggatt ataggtgtga gccgctgtgc ccagccgccc ctgaatgtat ttcttaccac 300
caatctgttc agtcattact attccttccc ccttccctaa gtaccatggg aaatgaagca 360
taaagcactc aaagtccaag gaaaaggcaa cattcaggat cagttncaga atgtctgnct 420
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<210> 806
<211> 324
<212> DNA
<213> Homo sapiens

<400> 806
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ccaacatggg gaaaccccg cttcactaaa aatacaaaaa ttagcctggc atggtggcgc 120
gcacctgtaa tcccatctac tcaggcggct gaggcagaag aatcgcttga acccgggagg 180
cggaggttgc agcgagccaa gatcacacca ctgcactcca gcctgggcca cagagcaaga 240
ctccgtctca aaaaagaaaa aaaaagaatt ttttttaaaa cttcaataaa aacttaggtc 300
ccattaaatg gtaaatctgg ctcc 324

<210> 807
<211> 288
<212> DNA
<213> Homo sapiens

<400> 807
ctatgtcctg cttctccact tacaagggtca tatgcaactc gaatctctgt ctaccacct 60
ggcatccacc cttccagacc ctgcttaaat gctacctcct caaatgccaa cgaactccaa 120
aactcgggtt ttcattctgg tggaaagctga tctctccctc cttggcagcc tgtgtcccg 180
tgatgcgttt tgtaaacttg cagctacttt gatcttgtct tggattgtac ttgggtctta 240
ccttaaccct tgggtccagat ggcaaatacg gacagccctc gtgagctc 288

<210> 808
<211> 277
<212> DNA

<213> Homo sapiens

<400> 808

gactgcccc	gtctacacaa	atcccttcct	tctagcagac	tgagtcacac	aagaataagg	60
agagtgaagt	ctacatgttg	gggactagag	tgaatcgaag	cttttctgga	aggagctccg	120
tgaacctggc	tttgagaatc	tataaaaaac	aagccaagta	aaatgtccaa	gaggtagtgg	180
tgctgaagaa	tccaagaact	tttcgaaata	cttaacaaaa	ctatcacaaa	tgtattccaa	240
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<210> 809

<211> 418

<212> DNA

<213> Homo sapiens

<400> 809

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agggagaact	actgctaata	ggacagagaa	ggtccatgct	gcacatggtg	cagagatcaa	120
caggctctga	gcctccagag	ctgtcagcct	agtgttttc	atgcgcctta	aaagtgaatc	180
agagagaaaa	caaagaagg	tcactcttga	gatcttcagt	ccctggcatt	gctgggaagta	240
aatatgaagc	atctgggaga	aacagagact	atattcaaaa	gtttacataa	aactgaacag	300
aggagggagg	cggagagggg	tgactgggtg	tggtccagag	taaaaaaga	aaaagaatcc	360
ttttcaaata	tattggagaa	ctcctactac	tcattcattca	gtaaaagcca	atggaact	418

<210> 810

<211> 394

<212> DNA

<213> Homo sapiens

<400> 810

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ccagcacttt	gggatgccga	ggcagctgga	tcacttgttg	tcaagagttc	aagaccagat	180
tgggcgacat	ggtgaaaccc	cgtctctact	acaaatacga	aaattagcca	ttgtgggtggc	240
acacgcctgt	aatcccagct	actcaggagg	ctgatgtggg	agaactgaac	cctggagggtg	300
gagattgcag	tgagccaaga	tggcgctact	gtgctccagc	ctgggcaaca	aagcaacact	360
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<210> 811

<211> 473

<212> DNA

<213> Homo sapiens

<400> 811

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gattccaaaa	cctcccacgg	tctggcgata	aacatcaagg	aatcaatggc	agaatacttt	120
cctgagaaat	tactccatgc	ccttgggtct	agtgaagcct	atttcatcca	tctcggaggg	180
tccatattct	gtgagaaaa	ggccccgtca	ctcaagagt	atgaaatccg	tggagcacgg	240
ctgggctaga	aatgattacc	aaagcccgtt	aggagatgcc	aacagagact	atattaacca	300
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ggnatcttcg	ggaatcatct	gacagcttat	ttattaaatg	cattttaatat	taattctnct	420
tgnactctag	ctgaccttca	gaaacattcn	cgagtcntta	agaaccccaa	agc	473

<210> 812

<211> 301

<212> DNA

<213> Homo sapiens

<400> 812

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tttggtcac	tgntctgeng	gctgtacnnn	aagcatggca	cctgcatctg	ctcctatatn	120
agttgncagc	tntgntccct	cacacacaaa	ggngngtgtt	aagaagttac	ttcaaggact	180
gatgtcagag	gcnaagnact	atattgnttt	tctgttnagtt	tctattagta	gattttgtat	240

gttacagaat atagaactag cagaatacaa tgaatcttaa tgaaccattt attaccctgc 300
t 301

<210> 813
<211> 370
<212> DNA
<213> Homo sapiens

<400> 813
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gctgaggcca ggcattggtg ctcacacctg taatcccagc actttgggat gccgaggcag 120
ctggatcact tgtgggtcaag agttcaagac cagattgggc gacatgggtga aaccccgctc 180
ctactacaaa tacgaaaatt agccattgtg gtggcacacg cctgtaatcc cagctactca 240
ggaggctgat gtggggagaac tgaaccctgg aggtggagat tgcagtgagc caagatggcg 300
ctacttgtgc tccagcctgg gcaacaaagc aacactatgt tttaaataaa taaataagtg 360
ctgagatctc 370

<210> 814
<211> 212
<212> DNA
<213> Homo sapiens

<400> 814
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tcacctgatg cagagcatga gatctaagac tgtgaacctg atgcaatatt gggatgagac 120
ccatggagat cctggaatgg gaatgagaat attttctata tggaaaaaat gtgaataagt 180
ttcaaccaga cagcagctctg tggtagattg cc 212

<210> 815
<211> 196
<212> DNA
<213> Homo sapiens

<400> 815
atcattcctc tgggggaaac caattgccat gtcataagca gccctgttga gaggaccaca 60
tgatgagggt gtaagcctcc tgccaactgc catgttgntg agcttggaac tgcagcaatg 120
gctgacatnt tgacttgaaa ccttacgtga gacctntgg attcctgacc cacagaagct 180
gcntgagata ataaat 196

<210> 816
<211> 188
<212> DNA
<213> Homo sapiens

<400> 816
agactggatc tcaactactg cctagctctt gaactcctgg cctcaagcaa tctcctgccc 60
tcaacctccc aaagtgtctg gattacagga gtgagccact atgccncaca tggattatt 120
attattgtta ntaatactac attgtgcttc ataaataatt gctaaatata caagaatatg 180
tttgtttc 188

<210> 817
<211> 394
<212> DNA
<213> Homo sapiens

<400> 817
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ggggctacgt caccaaccac atctacacct ggggtggacc gcagggccgc agcatctccc 120
cactctcggg cctgccccag cccacagggt gtgccctgag gcagcaggag ggtgaccgga 180
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gaggccagcc tctcagacac cgtattctcc ctccgaacc agaacagcag agctgcttgg 300
aggccgcaag aagaggctgg ttctgtccag gctctgtctt cctcaagtc tgtactgaaa 360

gggtggngtt ttttctttgc ttttcttttt gacc

394

<210> 818
<211> 392
<212> DNA
<213> Homo sapiens

<400> 818
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tccgctccgg acctcactcc tatattttgc tgagatgaaa accacaatcc ctgcactgcg 120
agactcatct cataattaga aaacaaagga ttatccaccg gggtctctcc cctcgccctg 180
tggccttgct gctcccctgc agttgctcca aatgacaaaa taatgacggg ttcgccttgt 240
gagagagggt ggccctgctca actccacgct ggcgctctga ggggggcaga agatgcctcg 300
tctcatttat gttgcaaaca gccttaaaaa ggacctgcag ggcgctgggc gtggtggctc 360
acgcctgtaa tcccagcact ttgggaggct gg 392

<210> 819
<211> 387
<212> DNA
<213> Homo sapiens

<400> 819
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acatgatgaa actccatctc tacaaaaata caaaaattcg ccaggtgcgg tggcagatgc 180
ctgtaatccc agctactcgg gaggtctgagg caggagaatc gcttgaacct gggaggcaga 240
tgggtgcagt agctgagatc acgccattgc actccagcct gggcgacaag aatgagactc 300
cgtctcaaaa aaaaaacaaa aaaaaccccn cncntntnaa aaggctcctgg aatcatttan 360
ntnatgggtn taanaaactt gaatttt 387

<210> 820
<211> 636
<212> DNA
<213> Homo sapiens

<400> 820
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ggtttggaaa agtggganac ttgcgggtga tgaatnaaan aatgaantgc cattggnang 120
ctcttggtgg atgggaaatg gataaagaag tggaaagaaa tcancttccg ctttcctttg 180
cagaactggg ccctatgatc tgggatgggt ggatgatgcg cctgggaaac aagtcaagca 240
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gcttcttctt tccttgggtg ccacttgact tggcttgggt gcccacacac aatgttgctt 420
ggccttacaa gcanccttgg ngggcntttc ctccgataaa aggggaacca ctttctctta 480
attnnttnc taaatttttt ttttngggg aatccnnggg aanaccccc cttccaagcc 540
ccttgaaagt nnnagggact taancccttg gggctttttt tttttnaaaa aaaccaaaaa 600
gggggttttt ttttggagg aanaaaaccc tttttt 636

<210> 821
<211> 395
<212> DNA
<213> Homo sapiens

<400> 821
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ccaccttggc ctcccaaagt gttgcgatta caggcatgag ccaactctgc aggccaaaga 120
gtctttctta acggacctat tccaagcact tcaaccctag agtttgcagt gcagtgtctt 180
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aacctccacc tacttcacca ccttcatctt gtccaatact gtccaaactc actttggaga 360
agaataaaca ttctttgctc tactttccac tgctc 395

<210> 822
<211> 143
<212> DNA
<213> Homo sapiens

<400> 822
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agcanatggc atgaaccctg ccttcctcta agagggtgtg aaatgtgatg attcaggcct 120
ttaaattaaa tgcataaaga ttc 143

<210> 823
<211> 442
<212> DNA
<213> Homo sapiens

<400> 823
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caacagagat gagctgggga agagagagga aataagaatc ctacccatga ttcaagtcac 120
tgtttaaatg ctgcctacat cttcatttat gcttcaacgg gatctcatga ttttgtctga 180
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cattcccaga gaattgtcat tatttgaact gttagtggt tttctggaag accccacttg 360
caagaatgtc tttatttgac ctgacctgct cagtgtctaaa aatctaggga catttggtgc 420
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<210> 824
<211> 625
<212> DNA
<213> Homo sapiens

<400> 824
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tttgaacaaa gangggatct gancgcacct ttctccngca cagctttggg naangaaaag 180
gctattcacc ttntggactt gaggnacaa caagacaatn ctgcttgctt ntnatgcccn 240
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cgggccaang aacctccctg gtcaatcttc aanccttggg tcttggccg aanaaaaaagn 540
aatcccatca ttgggggttg aaggcaata gccggcnggg nttggcataa cncctttgaa 600
taccgcgntt ancttgacca ttttg 625

<210> 825
<211> 161
<212> DNA
<213> Homo sapiens

<400> 825
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ccacccttga ctgaggtaat catcagttca aaggcaactc cttgttttat ctttgacta 120
attgcttaga gaaataacca gacaataata tttatgacaa c 161

<210> 826
<211> 162
<212> DNA
<213> Homo sapiens

<400> 826
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gaaccagcca agagacttta cctgaggtaa aaattcctct tccttcaatg cctcaaatca 120
ggatcttgaa gttggaaaat aataaaagct tgtacagatt cc 162

<210> 827
<211> 505
<212> DNA
<213> Homo sapiens

<400> 827
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ttcttgaaac tctggggagg catggaaaca tcacattgca gcagatgctg gggatgcagc 120
aatgaacaag acaggccaga tccctactct cagataaaca caatgatcca ggtcagtagg 180
catttggttag gaatctgcat caaactgttg ggcaatggta gacagcaaca ttgacgtctg 240
taaattttaca cttggatttt aagtttcttg ntggctgcat ccttcttctg aaagccactg 300
ctctttttcaa aaaaacctcc taaatggcta aancctcttg ggttgcaaca agttgctctt 360
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ttcaaggngc tacactttct ctttttctaag ttctaatact ggcttacnca ttataaaaaa 480
cccttantna aaaatcccca attat 505

<210> 828
<211> 350
<212> DNA
<213> Homo sapiens

<400> 828
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cccagagttc cagaccagct tgggcaaccg tggtgaaacc ccgtgtctac aaaaaaaaaa 180
tttagcctgt agtcccagct gcttggggagg ccgaggcagg tggatcgcta ggactcgga 240
ggcggcagct gcagtgaagg aagatggcgc catctcactt cacctgggcn acanagcaag 300
accctgtttc caaaaaaaaa ggaaaataaa aaagtngtaa aaaaaatttt 350

<210> 829
<211> 479
<212> DNA
<213> Homo sapiens

<400> 829
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tgcaggaact ggggttccat aacaacaaca tcaaggccat ccagaaaaag gccttcatgg 120
ggaacctctt gctacagacg atatctctga atggtgccat ggacatccag gagtttccag 180
atctcaaagg caccaccagc ctggagatcc tgaccctgac ccgcgcaggc atccggctgc 240
tcccatcggg gatgtgcca cagctgccca ggctccgagt cctgtgagtg ctcacaagaa 300
ttctacagtc ttggcattgt gcccctaccc ccattgtcca caaaaagcct cttctgcttc 360
tgtccaattg gtcattttcc tttctggaga atgggagcaa cataagcttc tgctgaaacc 420
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<210> 830
<211> 505
<212> DNA
<213> Homo sapiens

<400> 830
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tgcaagtggg gcaatcttgg ctactgcaa cctcctcctc ccaggctacc aagttgctgc 180
ctcaacctcc cgagtagctg gaactacagt ttacagagtt gcagggggag ccaaaacctt 240
gccgtaatcc taccattcac tgctgtgagt aatgaccatc tgctggggac tggagaagac 300
ccacccaatc aanttgactg gcttgggttg cattgataaa aggaangnca caanaaggcc 360
aataggattg agaaccactc ttccagnngn gggaacgata tgcagccacc cgcaaaaatn 420
gnttcactnt tccantgnag gtnnttttaa aaatctntnt ntttgacata ctcttttttn 480
aaaggngtgc ccaaaccaaa taaaa 505

<210> 831
<211> 461

<212> DNA
<213> Homo sapiens

<400> 831
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acttgctgtt tggctttggg gtttaagtgg cctggaacca aaccggaagt atagctgagg 180
tatgcctata gtctaattaa cttcacgaac tgcctcggga aagaatgaat gaactggaac 240
ttcatgcaaa agtgtatata ggccangcac ggtggctcat gcctgtaatc ctagcacttt 300
gggaggccaa ggngggcaga tcacctgggg gcaggagttc gagaccagcc tggcccacan 360
ggtgaaacct tgtctcttct aaaaatnaaa aaaantaact tgggcatggg gggccatgcc 420
tgtaatncca ctncnttggg aggnnttgn caaaaaata c 461

<210> 832
<211> 502
<212> DNA
<213> Homo sapiens

<400> 832
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acggatacga ccagatggcc ggaagtaact gaagaatcac aaaagaagt aatatgccct 120
gccccacctt aactgatgac attccaccac aacagaagt taaatggccg gtccttgcct 180
taagtgatga cattaccttg tgaaagtcct tttcctgggt catcctgggt caaaaagcac 240
ccncaactgag caccttgnga ccccaacttn taccgncag aaaanaaacc cccttgant 300
gaaatttttc tttacctacc cnaatctata aaacggcccc cccttatctc ccttcactga 360
ctttttttta ngacngggcc cccctgcccc caggnaaaaa aaaaaagcct tnttcttnaa 420
aaaaaataaa aaaagnnnnn nnnnnnnggg gccggggggg caatnnagtt nggatttaac 480
caaagngggg gggggtccaa aa 502

<210> 833
<211> 427
<212> DNA
<213> Homo sapiens

<400> 833
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cttgaagata cagatttcca gtgcaccatc agaagccgga gtaactgtga gtgggaggca 180
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agtgtggat gacaacattc ccacactgcc ctcggacaca tcacagacc tggtagcaca 300
ggatccctct gattcaactg aagaagagat gcanaagctt gcattgccacc aagtaactaa 360
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ttgtcat 427

<210> 834
<211> 427
<212> DNA
<213> Homo sapiens

<400> 834
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gtgaatttac atttcatttg catgagtctc atgtctgcaa ctaggttgtg gtgaccttga 120
gaacgagggg atcaagagcc ttgtccagca ctgggagtg aggtggttgg aaatcccga 180
cccccggtcc accagccttg gcctcctgca gatgctaggc tcaggatgaa gtgcggccga 240
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ggcccaactaa ctgctttttt atgattggca cttactggct ctgatttaac cccacttaaa 360
gagtgggtggc agcaattgtg gagggcctca aaggagagact gatgcaagt agggcaaagt 420
atatata 427

<210> 835
<211> 426
<212> DNA

<213> Homo sapiens

<400> 835

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gggagggagt	ggtggccgca	gagaggggat	gaacatgttc	gtgggtgcca	ccacctgcct	120
ccctgcagt	gttggacttc	tgtaatgtta	tgcaagtcgc	ccaggtcagg	gtgcgtgatg	180
acgacaggag	gcccaggga	caggagaagg	ctgagccgtg	gagcataccc	atgccaatgc	240
catttcaga	gctcttggg	tagcagttga	ggcccatttc	ctctcccca	agaacctaca	300
acactctggg	cccccaaaa	acaaccccat	ccatcttgga	aagaatgtgc	agaaaagagg	360
aaggaatggc	cacctgtcaa	ctacattgtc	acagtactgc	acatgaccat	caccaaagtc	420
ccgcga						426

<210> 836

<211> 243

<212> DNA

<213> Homo sapiens

<400> 836

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gctcaaact	gcacacaggc	attagaggca	gaagaaggac	accatttttc	cccccgtttg	120
gtatatacca	ttcctctggg	tatgttgttt	attgatatac	tgctccgtg	tcaggcttaa	180
tacaaataaa	taaacaataa	acaatctcta	tttttttaaa	taaaggaagc	tttttaacca	240
ttt						243

<210> 837

<211> 427

<212> DNA

<213> Homo sapiens

<400> 837

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tcacagagcc	acgagggagt	tagcccagat	ttagaagggtg	aggatattga	cttcatctct	180
tgatgcaagg	agttgcagtt	acattgcaaa	gggatgcaga	tacaggggaag	gttggagaat	240
tgcagccact	tttgcacaat	ctaccacaac	tactgcattg	tagctgctat	gcacattaaa	300
taaagtaaag	acatatgaaa	cattttattt	aanggtcctg	acaacaaata	agtgttcaac	360
aagtgtgagc	tattattact	gtttctaaaa	tggatccctt	atcatgggag	aagggtcaaat	420
taatgcg						427

<210> 838

<211> 426

<212> DNA

<213> Homo sapiens

<400> 838

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ggcattaaag	agtcaactat	aggatcttcc	agaacaagga	ctacacttca	ggaagatgac	120
cttcaacata	ggagggaaaa	atgtttcata	gtcaatctag	taagaagttc	tgcttcaaaa	180
gcaaaagaac	taccatttat	tagatgtttg	ccatgtgcca	ggcaatgtca	caaccctttt	240
atatctcatt	taagttcata	atcatcctgt	gacataagca	acactatgtc	ccccagttta	300
cagatgaaga	aactaaggct	caaaaaaac	attgtgaact	ttccaaagg	cactgagcta	360
ggaagtagtg	acactcggat	tcaaaccctg	gatctggcct	actttaaagt	ccatgggtctc	420
aatca						426

<210> 839

<211> 434

<212> DNA

<213> Homo sapiens

<400> 839

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ggcgccacc	accacgcca	gctaattttt	tgatatTTTT	agtagagatg	ggtttccga	180
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ggcctcccaa	agtgtcggga	ttacaggcgt	gagccaccaa	gcacggcccc	gcagcctcct	300
tcttgaaaga	gatgtccaca	ccccatctgg	ccentccttn	tcccttcctc	attcctaaca	360
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tacctggctc	cggg					434

<210> 840
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 840						
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ntaactgate	nagaactcat	ttatcaccaa	ggggatgggtg	ccaagccatt	catgagggat	120
ntgcgcctgt	gatccgaaca	ccttccacta	ggctccactt	ccaacactgg	gaatcacatt	180
tcaacatgag	agttggagtt	gacaaatgtc	caaaccatgt	ctccatccaa	ccatctatac	240
agatcttggga	ttcaagaagc	cttatgcctc	ttggctaaaa	agagtgtttaa	aatcctgact	300
cggcccatgg	tgctaaggnc	atcanaaaaat	ggattctgca	gaagcagatg	ctgaaatact	360
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aactggatct	cac					433

<210> 841
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 841						
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ttctcagagc	ctgctcagtg	tacttgga	tgctcttcaa	agcctgctaa	ctctcatcat	120
ttcagggttg	atctgatatt	tagaagcaac	tgaaaatcat	ttgaagccaa	tcccagtgaa	180
ttaggtcatg	taattcagct	gtaaaaat	gccccctggc	gcacctggca	taggagtggc	240
acagagggga	tcttgctgtg	tcacccaggc	tggagtgcag	tggtgcagtc	tcggctcacg	300
acaacctctg	ccttccaagc	tcaagtgtt	ctcctgcgtc	atcctccac	aggtgcatgc	360
caccaggggt	tcacatgtt	gccanctg	gtctcgaact	cctgcgtc	agtaatcctg	420
tactg						425

<210> 842
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 842						
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cccatgtagc	aaaggacagc	caatagccaa	cagaaagctg	atgccctcag	tccaacagcc	120
tgcaagaaac	tgaattctgc	cagcaaccat	gtgagattgg	aagcagattc	ttccgtgcag	180
tcttgtgaga	gattatgaag	caaaggactc	aagttgtgcc	cagattcctg	accacagat	240
accgtgtgat	aataaatgca	tattgtctta	aaccac			276

<210> 843
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 843						
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tacggccttt	ttttttgg					78

<210> 844
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 844
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cgggcntgng tttttaaaaca aangacggaa atctttcttt ccgnnntnaa aggacacntt 120
ganagatgca gtangaagat ggaatccatg aaccacgaag tgggtcttca gcagacacca 180
catctgncaa caccttgatc ttggacttcc taagcctcca taacagtggag aatnaacgt 240
gttttttaaa cc 252

<210> 845
<211> 425
<212> DNA
<213> Homo sapiens

<400> 845
ccatgtttgga actacatttg gaaaggnggt ngntnattaa acaangacgn aaatttttct 60
ttccnanctn aaaggacact ttgaaagggg ctnccttctg angccaaaag ntctgcccac 120
tctggaatgg agctgttacc tgnecatntn agcacantnt cncggnaaca gaaaaccaag 180
cactgcatgt tcccacttat aagtganagc tgaacgagca gaacacatgg acatatgaag 240
gggaacaaca cactctgggg cctgtgaggt gcagggagag catcaagaag aacagctaata 300
gggtgctggg cttaatacct ggggtgatgg ttgatctgtg ccggcaaacc accatggcac 360
acatttacct atgtaacaaa ccttgacatt cctgcacatt gtacccccgga acttaaaaat 420
aaaag 425

<210> 846
<211> 261
<212> DNA
<213> Homo sapiens

<400> 846
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gggtaagatg cangccatct gcnagccaga agacangcct caacacagac tgaaccctgc 120
tggattttga nctggaantt ccgccttcca gaactgtgag agaaaaattt ttgtgttggt 180
taagncaccc actcntatat tnngttatgg cagcctgagc cgattaatat gtacaacatt 240
ctatataaaa tatgaaacat t 261

<210> 847
<211> 203
<212> DNA
<213> Homo sapiens

<400> 847
gctgcatact gattctttaa acatgaagaa catatggcat gaggatgaag agtggacaag 60
aggtaaaagt agctgaaata tataaaatgc taaaagtgtg acaaaaactga tttcaaccaa 120
gcacttgatc tcaaccaaac aaaaatgtat gcacaaaaga aatatgtcaa aataatacaa 180
tttatgctcg aaaaaaaaaa agg 203

<210> 848
<211> 124
<212> DNA
<213> Homo sapiens

<400> 848
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gggaagacaa tgagcaaacc taggggtttt tctggacatt caataaatgc ctatttgaga 120
tgct 124

<210> 849
<211> 315
<212> DNA
<213> Homo sapiens

<400> 849
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gagatcatcc	tggattatct	gggtgggtcc	taaatccaat	gacaagcatc	cttagaagag	120
ccatccccggg	gagagacaca	tggaggagaa	ggccacctgc	aggcagaggc	agagactgag	180
gtatgcagtc	acaagccaag	gagcgtctgg	agccagcaag	aggtggagat	gcaagcaagg	240
attcttctga	gagccttcaa	aggaagcaca	gccccgcaa	caccttgatt	ttggatttct	300
agcctccaga	actgc					315

<210> 850
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 850						
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gggangntga	ctcaccaatg	aatgaagttt	ccacatcctg	atgatctcat	ccccttgcca	120
caatgaatcn	acagcccaaa	ttttccagcc	ccttgccctc	caaaatctcc	ttaaaaaccc	180
cagtccanaa	ctccccggag	gatatggatt	tgangatncc	tctcgnetct	ctacttggct	240
gccttgcaat	cattaaactc	tttctctgct	gc			272

<210> 851
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 851						
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atctgagtga	gctgcccga	ttgctgaatg	gacagaagaa	caaccctctg	aatgggtggaa	120
acagctgcct	ccgaggcacc	agccacacgg	tctggctttg	gtcaatcctg	cacgattccg	180
caaggcacgg	tgactcacgc	ctgtaatccc	aacactctgg	gaggccaagg	aggggtggact	240
gcttcagctc	aggagtttga	gaccagcctg	gcaatagggt	gaaaccccaa	ctctacaaaa	300
aataccaaat	acaaaaatat	atatat				326

<210> 852
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 852						
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ctcggcctcc	caaagtgtct	gaattacagg	cttgagccac	catgcccagc	caaccctata	120
gctttgcttg	ttcatcctgg	gaagggaactg	tgcaagttgg	cgcttcgggc	ttggtataaa	180
aacggctcct	gaattcctgc	ccagttgtaa	tttccttggg	gattttgaga	ggggctcttc	240
aacgttgcca	ggctatcacg	gcccttttgt	ttgcaagaga	gcagtgagta	aattatatct	300
tgggcttagc	aaagcaaaaa	ataaacacga	tgacagttag			340

<210> 853
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 853						
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agtgaactat	gaacagccac	tgcatccag	cctaggtgac	agangctata	actgaagaag	120
tgggagaagg	aggaaaaaga	aggggaagag	aaaaacagca	agaacaaaat	gaacaagaac	180
aggaagaaag	aaagaaaaaa	ttaatttaat	atttttccct	tggaataata	aagctaaatt	240
ccaagaatat	atcatttga	tcatt				264

<210> 854
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 854

acaaagatat	ttctggcaag	acgtggagag	aaagagtc	ttcaatgaaa	aaatgcaaga	60
ctgttctgac	tgctttttca	ggtaaacttc	ctgttggacc	tagttggctt	gttaagtga	120
ggacaaaacc	agaaggtgtt	ctacatataa	ggctcactct	gaagtttcag	gctgctggac	180
tggttgcttc	attacatgta	ctttgttc				208

<210> 855
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 855						
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acagtagatg	attggctggg	aaagcagaag	cggctgcctg	gaaattccct	tctcccatga	120
tttgcaaaat	tttgcttttg	tatatttttc	taagaaataa	tctatagctt	ttattatgta	180
ttccagggaa	ttgataaacc	cctcaacaag	ttaagaacca	t		221

<210> 856
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 856						
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cgagaactaa	attggctggc	accttattct	tggacttccc	agccttcaga	tctgtgagaa	120
ataaacatct	gttgttgaag	tc				142

<210> 857
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 857						
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caataaagtg	gtttgaacct					440

<210> 858
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 858						
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aacctcgga	aacttacaat	catggcagaa	gatgaaggaa	aaccaagcac	ctcttaccat	120
ggcagaggag	gaaagaaaga	aagcgaaggg	ggagctgcc	cacactttta	aaaccatcat	180
atctcatgan	anctcnttcn	ttatcacaag	aagagcaggg	gggaaatctg	cctccatgat	240
ccaaccacnt	cccaccaagc	ccttttccca	acntgggggg	atnccaattc	gacntgaaat	300
tngggggggg	ncccanngcc	aaccnttttc	ncantccatn	gngggngata	gntgntncag	360
tanctgtagt	aaacttgcaa	natattaact	gtcattgnct	tgncnaaagg	gggctcattc	420
caaannatta	ttttgcncca	tnggggggacc	cacacagcca			460

<210> 859
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 859

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cagctgcctc	gacctcccaa	agtgtctgga	ctacagacat	gcaccaccac	acctggcctt	120
ttatcctctt	tttagcaaat	gcatttaggg	tttgtattta	cctgtaagaa	caggtttacc	180
tgaatttcgc	atagtttgat	agggcaatcc	ttgcattgtt	ctcagttctt	aaaaattcaa	240
aatttccatt	ttgaaangtt	ccctccttat	ttttggattt	taagcatctt	taaaaatctt	300
tacacaggca	aaaaaaaaaa	gggccggnnn	ggccaattna	nnttggactt	aaccaggggt	360
gaattttttt	taaaa					375

<210> 860
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 860						
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gggctgttcc	cctcttttggg	gaacctgtag	ggagtgtctga	ggcggcatgg	ttctgagtca	120
caggggacct	gaggacacag	ggatggggca	tgttgttcca	gaactccctc	cagcagctgc	180
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tgaagctcgt	ggccccctt	cctcctgctt	ccaccatccc	gtcttggggc	gttcttcttc	360
caacgtcttg	acttctctggg	gaatttntng	ggcatntttt	tccnttncaa	gtacccccct	420
tcctgccttc	aatgtccaca	agtgggtgca	gtgaatggac	acttgtccaa	acaa	474

<210> 861
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 861						
atggagcctc	gttttgcctgc	ctaggccgga	gtgcagtggc	acaatctcgg	ctcactgcaa	60
cgcccgcctc	cagggttcaa	gtgattctcc	tgcctcagcc	tcccaaatag	ctgggactac	120
aggcagcac	taccttgctc	agctaatttt	tgtattttta	gtagagacgg	ggtttcacca	180
tgttggtcag	gctggtcttg	aattccccgac	ctcgtgatcc	agatgcctcg	gctccccaag	240
gtgctgggat	tacaggcggtg	agccactgtg	cccggactga	aactgacttt	gaacttctgt	300
cttcagaatt	gtatgcgaat	aaatgtgtgt	tcttttaagc	c		341

<210> 862
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 862						
tacnaactgn	ggtgggaagc	caatgccccca	gangtttgtg	ggcagcccac	ctttgcaccc	60
gtgangcacc	agtggggaat	gacagtcaag	aagaaaccnc	ggganaatnc	naccccttgg	120
nccancagca	ccacccccctt	gctttccgga	actcagaagt	ggtggagaaa	aaaaataaac	180
ctcctttttt	gtttatt					197

<210> 863
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 863						
catttttggg	gggccaccgc	caaccaaagt	gcgtnatgca	cgtcgaataa	agtgtgtggg	60
aagttccacc	gcttgtggaa	ccgccatgca	agttcgtgta	ctggatccct	tgggggaacc	120
aaacgaagtt	cacaagcttg	aacaagttgt	ttcggcgaat	ggctttgaac	tggggcttgg	180
gtgetccatc	attgtcctgc	tgggccaaca	accgtcgctt	tgaccttgtt	cgactttntg	240
ttaccacctt	gcttnaaaat	gccaaaagcc	aggaaccggg	aanggatgga	aatcatttaa	300
aaaatgggnc	ccctgaaaaa	aaaaggccga	ccggg			335

<210> 864
 <211> 451

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<212> DNA
<213> Homo sapiens

<400> 864
gcaaatgcgt aatggatgtc aaaatccaga aataaggcag caagtattgc acagaatgtc 60
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ggctggagca gccaaatggg ccaacccctg gagtgccttt tttcttctgt gttaaaaagt 180
tgcatttcat gcagaccag cctattcccc caacccctca atcttctccc tccctcctac 240
ccacaagcac acatacaaca gaagggacgc ctctacacce tcaccagctg cctacactca 300
ttcacctgcc gctggctggg ttcggcactt gttttccaaa ccagtcaaag aactcacagc 360
cccaggactt aaaaaggtn ttattgggtc catanaggct taaatttggg ggctcctaaa 420
gggatcacca tgggataaat aaaaatatac a 451

<210> 865
<211> 479
<212> DNA
<213> Homo sapiens

<400> 865
actgaggggc attcagataa gccatcatat cccctgtgac ctgcacgtac acatccagat 60
ggccgggttc tgccttaact gatgacattt caccacaaaa gaagtgaana tggcctgttc 120
ctgccttaac tgatgacatg gtcttgtgaa attccttctc ctggctcatc ctggctcaaa 180
agctccccta ctgagcacc cgtgaccccc actctgcccg ccagagaaca accccccttt 240
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tgctgactct cttttcggac tcagcccacc tgcatncagg tgaaataaac agctttattt 360
gctnctaaan cttgtntnng nnacanttnn natncnctn tgntnttttt gnnacnaata 420
ttgatngaatt tnananann nggggggggg cggggggggn ntntnttttt tttttttat 479

<210> 866
<211> 160
<212> DNA
<213> Homo sapiens

<400> 866
ggcatgtggc attctagacg taacaagcat tatgatttgt ttgaaagaac tgntaaacag 60
tgtccagaat taagcacatt tcctccattt tctcaaaaaga gtttctctgga gaagtcagaa 120
gaaataatac aatttcctat taaatgcaac atataaccac 160

<210> 867
<211> 447
<212> DNA
<213> Homo sapiens

<400> 867
gtgcacacaa tgaaggaagg ccatggccca cananagaan atgntnaggc caggcntggg 60
ggctcacacc tgtaatccca gcactttggg atgccgaggc agctggatca cttgtggtca 120
agagttcaag accanattgg gcgacatgat gaaaccccgct ctctactaca aatacgaaaa 180
ttaagccatt gtggtggcac acgcctgtna tcccagctac tcaangaggc tgatgtggga 240
gaactgaacc ctggagggtg agattgcagt gagccaagat ggcgctactg tgctccagcc 300
tgggcaacaa agcaacacta tgttttaaat aaataaataa agtgcttgga atttcaaaaa 360
atacaatgcc tannttaaaa taccatatat tatatatcca tatggctata atgattcccc 420
acctgtttat ctgtcctaac gcaaattg 447

<210> 868
<211> 335
<212> DNA
<213> Homo sapiens

<400> 868
ttataagttc cttgnnngga caaaagtggg ttaacacttc tgtctatcta aagatgtcta 60
cttcaaattc tgggcacaag agtgattgac agcaatttga ttgattagag aggtttcttt 120
aagaagagct ttactcttga ataaaatatt cctgtgagga agatgctgac tggccatcca 180

ggtctgcaga	agacaagacc	agaggaaatg	gattttgaac	atgttcccag	agatctttta	240
aaaaattacc	tgcaaaggag	tttaancccc	ggantancng	aacaaagaaa	gctgagggtc	300
tctcctgaag	tgaatgtttt	aaaaatagac	agtct			335

<210> 869
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 869						
gaaaggcaaa	gggaacctcc	aggatgatgc	tgaagacaga	gcccactatg	acagctgtgc	60
aactatccca	gagcgagac	atggggcaga	gtgaaaagat	aacacagAAC	tggaagcag	120
gcaggaaaaca	gcagaagaga	agaaagtTga	gatgaagaaa	aaaatatgaa	cgaaggcaat	180
gaagtaaggG	gaagatggag	acaactttta	gggcttttac	tataggttca	ctgtttctaa	240
tataaccatc	agaatcttct	gtcacaaaag	gttacatgtt	gatggaaaga	atacaggaaa	300
ataaatgaga	tctaatttac					320

<210> 870
 <211> 795
 <212> DNA
 <213> Homo sapiens

<400> 870						
acatagggag	tgtatntccc	cntccccaaG	nggaanggca	ttggaccttg	gacttgganc	60
catgcatggc	gccctaccct	caatgggaac	gagggccgtc	gtcgacnaga	acttcagtgc	120
actctaagaa	gctcggccca	aggacctatt	cgcacatggg	taggcagcta	ggacacatat	180
ggaattaaat	ccaacgacgg	acaccttagt	gagtacacgt	ctaggtgtcc	aaggggcaaaa	240
aacgatggcc	acgtacatgc	acgaacacga	aaacatgtta	tagtaggtaa	tcgtatatgt	300
acaaccacaa	acactcacta	gtatatccgt	agacgagncg	aaantggnaa	aagttcaacg	360
agtgcgcata	gcaatggcgc	agcaccaaga	gcataatatt	taagagtgnC	ctttgtctca	420
ccataattaa	ngggttgtnc	aangttggnt	ttttccntaa	antaatnaaa	anaccaattn	480
cnggggaanat	tncttttccn	tggncncacc	aataaaaaang	gggcatnacc	ccttgggtnt	540
ggcatttggg	tagaaangga	aaatgacccc	gcggaaacat	attttaataa	ttggaaagga	600
ancctctttg	tttgtgnncC	ctnaaaaaaa	catttttnga	tttttttttt	ttntggggcc	660
cggcgcgTgg	ggnggggnca	aaattngnna	ttttcccnng	gggttttttt	taacnccccc	720
gggggttttc	gaaacntttt	tgggggtcccc	aaaaaaaang	gggggggggc	cccccccccc	780
cccccccttt	tttgg					795

<210> 871
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 871						
gctcatgaat	ctctgtgatg	ctcangagct	caancgttct	gttgntggca	ncTTTTcttc	60
ncctggTgcc	acgttaaagc	ggatttggan	tttatctggc	ttgctgattg	cntaccatct	120
ccccaaaggag	ttcaaattcc	cacagtntac	caacacaact	gatgctggaa	gctaaacttg	180
ctacaganaa	ctgagagaac	caaacaattt	tcctttacct	gttctcacga	tacttgaaan	240
taaattgtcta	catggaagga	aagc				264

<210> 872
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400> 872						
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atagaagaaa	aggaaggaga	gaggaaaaca	ctgttaagat	tcattccatt	atagccaaac	120
taactncccc	aaagnncaaa	agaannnggg	gttacctnna	cggaaacnaa	naaantggng	180
ntttcaaana	aatgcengaa	tcctaaaagt	ttaaaggaaa	ttatttcttc	gaaatacaag	240
tcaaggccac	attgaaatct	cactccttca	gtttgntggc	nttaaggaaa	aagaaaatat	300
natgccccct	nccgccccnt	tnatggncnt	tattcaaccg	gcgcacatta	ccaggngttg	360

acaaggatgg	ggaaaaatgn	gaaccctcat	gcnttggggg	gtgggaatgc	aaaatgggng	420
tgtntttgcc	ggganaacag	tttgacagtt	actctgaagt	taatcataga	gtactatgga	480
accaccatt	tcacttttag	gtcccnccca	anataatgaa	aacatttggt	cncccaaaaa	540
ttggnncnaa	tgttttctagc	accttt				566

<210> 873
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 873	
agaacaaatg	atgaatggag
gaggccactg	gtttacacgg
aaagggtaaa	ggacaacgac
tatccagatt	tttcttccaa
ctttactttt	
	60
	90

<210> 874
 <211> 550
 <212> DNA
 <213> Homo sapiens

<400> 874	
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tgggtccatga	accagcagct
tcagcatgac	ctgagagctc
	60
ataacctcgt	ctctacaaaa
aatacaaaaa	aagttagcca
ggcatgggtg	tacacgccta
	120
tgggtctcagc	aacttgggag
gctgagatgt	gcttgctttc
ctttcacctt	ccaccatgat
	180
tgtaagtttc	ctgaggcctc
cccagccatg	cttcctgtat
agcctgtggg	acggccaagt
	240
ctcgccacat	ggcatcattt
cctcctcacc	tgcagaatcg
ctgtgactta	tggctcctct
	300
gattgcacct	gctttnacca
acanccttng	aaaaaaantc
ttttttgtgg	ggataaaaaag
	360
tnagananan	ctnggttnca
tnacttggtt	aaaatnggac
cctctcaaat	gaatgtaagc
	420
acataatggg	gggactacac
tatgagatta	aaaggaatcc
agctgttacc	aaaaatgggt
	480
gcttgccagg	tttateccac
aaattctttc	cacttcatgt
cattaaaaat	aaaatttgag
	540
ttttaaaatg	
	550

<210> 875
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 875	
tggcaaaaat	tcccttaaag
aaaaggcccc	gggaagnnga
agccttgtgg	aagcccccttg
	60
ggaatgggtg	gcttggcatt
ggcccaaacc	aatggaaggg
aaaaattccc	gggaccacca
	120
ccaaagagga	aggaacattc
caaggggggg	ccaccaaagg
ttgccgccaa	agaatggaaa
	180
ccaaaggcca	ccattggaaa
gaaaaggggc	caggcaaagg
aaggggggaa	agccccattc
	240
ttgncaaaag	cccaagaaag
aaggaaggaa	aagggttcaa
agaaaagaaa	aggtttaaag
	300
gttcttggcc	cagccantct
ttgaaccctt	tnggancttt
cccaagnctt	tttcaagaac
	360
cttggtgnag	aaaaaataaa
antttttctg	gcttgggtttt
	400

<210> 876
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 876	
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cttacaaaatg	gcaccccaaa
tgagctcaac	tcacaacttc
	60
tactgaggac	ccctggacca
acccactggc	cctttgactg
gcctagagaa	ttcacctcca
	120
gaggacacta	caactgcagg
gccccttctt	cgcccctatc
cagcaagaag	taactagagc
	180
ggtcatcacc	caattcccaa
cagcagctgg	ggtgtcctgt
ttagacgggg	gtggggggag
	240
attgngaggt	gaagccagct
ggacttctctg	ggttgactgc
agacttggag	aacttttctg
	300
tcttaccaa	ggattgnnaa
atggcccatn	cncctttttg
taaaaacca	ccaatcanng
	360
ctttgtanct	agcaagaana
ttntaaaatg	ccccaccag
cncntngtaa	aatgcnccaa
	420
tcagcgctnt	ttaaaatgen
ccaatcanng	ttttgtaaaa
tgcnccaatt	ancanggatc
	480
ctaaaagtgg	ccattcncag
ggagaactga	aaaaaggccc
tcgggttagga	aagaaacana
	540
cgggggggag	gggccaataa
ggggataaaa	gctggcct
	578

<210> 877
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 877
 gaggaagagg canagnacga cggctcaatn aaaccncca ctnntngtnn ngganagnn 60
 nacttntctt tggctctnann gcnccttcang cttgaaccac catgaangcn gaaattccat 120
 ccanttacc tggaggtggg aaaccgacaa cctgcatggc attttttgaa gctagacatg 180
 taaacatcat ttaaaagttc tgttttcttg gctcacgcct gtgacccag cactttggga 240
 ggtcaaggca ggcagatcat gaggtcagga gattgagacc atcctggcta gcacggngaa 300
 accctgtctc tgctgaaaat tcaaaaaatt aaccgggtgt ggtngtgggc ccctgtaaaa 360
 aaacttctcg ggaaggctga ggcaggaaaa tggcgtggaa ccttggga 408

<210> 878
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 878
 catcatgcaa actgggaaga ggaccctcac caggaaccac atctgccagc accttgatct 60
 tgaacttctc agcctccaga acggtgtcaa tggacgtgga cgtgtccccg gattaagcat 120
 gaccttgccc ctctgggtg gacgtggagg cttcagaaaag attcattaaa ctactttcca 180
 aagctt 186

<210> 879
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 879
 agaaacaagc atcaaccctt tcaccacggc acatctgcct ctgacttcta agcgctagac 60
 caacctatgg atcctgtcat ccacctccac atcctgcatg ggaatccaag aacccttcat 120
 catctacctc agtctccagt gggccagcaa aaccaccaag ctctttctat tgccacagct 180
 ttgtcatgtg cttttctact cattctgtct ttagataatc acgtgatgta ataacatcac 240
 tgctatgtct actaaaaaga aatctgagaa actg 274

<210> 880
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 880
 gagcaccatg caaagtgcgg agatgcagag aggaaagact actcggtcct tgttccttgc 60
 tgtcccagag gtcacagtgc tgtggggagg gggacaagga cataccctgt caggctgcgt 120
 atataaatac acaggtgcta agcaaaatgg gaacggagaa gggaaagggt ccctccacct 180
 tgagagaccc acagaagggt gttctagaga tggatgagtc agactgcaag agagcaaaga 240
 tatcttctctg aatacattca atatcaaagc atcatgtgcc ctgtgtgtgc aaaataataa 300
 taatcataat aataaagtt 319

<210> 881
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 881
 aacttaagcc aaaccattct gtcattctgga aaaacaaaaa atagaagctt gggccagatc 60
 atctgtaaga tttcttccca agcacaacat cagatccaat gactgtcaac tgagtgtgtg 120
 ccaatgactt atttgaagg tggaaacaaac cacataatca ccagattccc cacattcaga 180
 taagcctcaa tgaagaccgt ataacacccc ctgaagaaca gctgccatct ctgcaggatt 240
 ctgtgagaag aggggaagtga tccggacctc ttggctgggg ccacactggg tttatctgta 300
 tctgtcctcg aatcttcagc ctgctacaat ctgttcacac ctgggtatct acagtcttga 360

catcctacca	cttgctgccc	aaggetctta	acttgagctg	gaaagtaa	aaattgngct	420
ttcattttcc	cct					433

<210> 882
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 882						
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caacttctac	tgaggacccc	tggaaccaacc	cactggccct	ttgactggcc	tagagaattc	120
acctccagag	gacactacaa	ctgcagggcc	ccttcttcgc	ccctatncag	caagaagtaa	180
ctatgagcgg	tcatcaccca	attcccaaca	gcagctgggg	tgtcctgttt	agacgggggt	240
agggggagat	tgagaggtga	agccagctgg	acttcctggg	ttgactgcag	acttgagaaa	300
cttttctgtc	ttaccagagg	attgttnaat	gcaccaatca	ncactctgt	taaanacacc	360
antcagtgtc	tcttgtagnt	ngcaagaaga	tttntaaaat	gcaccacca	gcacttttgt	420
aaaatgcacc	aatcaggcgc	tttataaaaa	tgcc			454

<210> 883
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 883						
atgagaagca	gggattccca	gcaaaggaga	accatgagtc	acagggagaa	gtctggccgg	60
aagctgctga	cacacattct	cacaggacta	tggaacttc	cggaagctgc	ctgtatgcct	120
tgtcttgtgg	ccccttcctc	cctcttcagt	gccagcaaca	ttgcatttac	ctgac	175

<210> 884
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 884						
gaaaagcctt	gaaaattttt	ggagtacata	tagtaagaat	gcacttcact	gcagcaaaaa	60
tggagtttca	ctcttgttgc	ccaggctaga	gtacaatgga	gtgatctcag	atcaccacaa	120
cctctgcctc	ccaggttcaa	gctattctcc	tacctcagcc	tccaagtag	ctgggattac	180
aggcatgtgc	caccacaccc	agctaatttt	ctattttttg	tagagacggg	gtttctccat	240
gttggtcagg	ctggctctga	actccagacc	tcagggtgat	caccgcctc	ggcctcccaa	300
agtgtctgga	ttacaggtgt	aagccaccgc	acctggctta	aaagtaaatt	ttaaaaataa	360
acagtttata	aattaag					377

<210> 885
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 885						
tagatgcaat	ccatggaaca	ctccacgtgg	acttggtctg	ttctccgcat	tcattggacaa	60
ttaattttcca	gctataatcc	agtttccccc	caaacactga	gttgctctcc	aacgctgtcg	120
accacttgct	ggaacaattg	tccccctttt	gcatgggaaa	gcaagatata	atgacacttt	180
gttctgatgt	gcaaaacatg	cctgggtttt	agaccctggc	catttccatt	gtcagtcttt	240
aattaaatca	gtggttttct					260

<210> 886
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 886						
gcaatccagg	tgacaatag	gaagtttcag	gaactccatc	atatccagca	tgatcaggatc	60
tcacatgaac	gaatggcata	ttccactcca	tgtgagaaa	gctgtgatgc	catcatggaa	120

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aagatctagc	tttgaagac	agaaagaagg	aacatcagcc	ttaacacttg	ggagtaatgt	180
gacctggggt	tgccgagtgc	cttactgaac	aatagctctg	actggctgaa	ttcatcaacc	240
caagtttgtg	tatttagata	tcattctatgt	atctccgaat	ctgctcctca	acacacagct	300
agctgtcata	atacataatc	aactagtatt	tctcaacaag	caaattagta	gactgtcaaa	360
gggattgctt	aaccataatg	ttctctcatt	actacataat	cccagaaaat	aaaagtaaca	420
tttgtttaga	atgac					435

<210> 887
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 887						
gggcattcag	ataagccatc	atatcccctg	tgacctgcac	gtacacatcc	agatggccgg	60
ttcctgcctt	aactgatgac	atttcaccac	aaaagaagtg	aaaatggcct	gttcctgcct	120
taactgatga	catgggtctt	tgaaattcct	tctcctggct	catcctggct	caaaagctcc	180
cctactgagc	accctgtgac	ccccactctg	cccgccagag	aacaaccccc	ctttgactgt	240
aattttcctt	tacctaccg	aatcctataa	aacggcccca	cccctatctc	cctttgctga	300
ctctcttttc	ggactcagcc	cacctgcac	caggtgaaat	aaacagcttt	attgctcana	360
aaaaaaaggc	cagngaggcc	aattcagctt	ggacttaacc	aggctgaact	tgctcaaaag	420
gnngggcccc	cccccc					437

<210> 888
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 888						
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ttctcctgcc	tcagcctccc	gagtagcctg	gattacaggc	gcccaccacc	atgcccggct	120
aattttttgt	atttttttag	tagagacggg	gtttcaccgt	gttagccagg	atgggtctcaa	180
tctcctgacc	ttgtgatccg	cccgcctggg	cctcccaaag	tgctgggatt	acagacgtga	240
gccaccgcgc	ccggcccca	cattcttttt	tgcttgggat	aaacctctct	caggctgtta	300
atcaatatag	ataaaaagtat	actgttct				328

<210> 889
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 889						
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aaacttgctg	cactaggccc	agtgggggtgt	gctccatcag	acagaatgtg	tgtgtcacga	120
gcctttctaag	aatcaggagg	agggaagtca	ttcataaagg	aggcagatgc	tgaaatgcaa	180
ctttggcttc	ctcttccaag	tccttcaact	ataggaatgt	ggccctttct	tattcacaga	240
ggggctggat	ttctctttac	aacctgagta	ccagaagctc	cctacctttc	caagtcagaa	300
cagaacagga	aagtggctaa	ttcgaccttt	gcattctcca	cactggggga	gatcacaggc	360
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tttcgaaagc	aggagaaaga	tatgtccaga				450

<210> 890
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 890						
atcacacaaa	gaagaagtca	tgtgaacaca	cagcaagaat	gtggcagcct	acaagtcaag	60
agaagaggcc	ccagagtcta	ccttgccaggc	accatgatct	tggtatcttc	agtcttcaga	120
actgtgagat	gtacattttc	gttggtttaag	cattcagctc	ttgggtatgt	tttatggcag	180
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gcatg						245

<210> 891
<211> 440
<212> DNA
<213> Homo sapiens

<400> 891
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tacaccctga agcaacattc caagccttgc tgctcacaat gcggtcccgg gaccagcggc 180
agcagcagca gcccaggacg cttgttagaa atgcgggcacc tccggcccca cttcagacgt 240
tctgaaccca aatctgcatt ttatcacgat cccaggtgat tcatgtgccc gtttagagtga 300
gcgaagccct ggattagaga acagaaatta gacgtgaccc tttctttgac aggaatttat 360
caccaggtc tatctcaaga actgngagaa ttcggntcaa natgtttgtg ataacttttg 420
agcagtactg actagcgtgg 440

<210> 892
<211> 334
<212> DNA
<213> Homo sapiens

<400> 892
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acctggnttc cccatccaag ccaaagagcc ctcttctgtg cctggactaa gaaacagaat 120
gaaaaaacca cacagaaaaa cataagctgg ggaccaaagg cagtcaaccg tttctgcata 180
tgctcaaaaa tgtgactcaa tctagagggt tccagtttca cctgagctgt taaatttaca 240
ggaagatctt caatgatctt cggaaaagac agaagagcaa gaaaatctga aaaggatatt 300
aataaaaatt aagctcaaag gggaaaaaat agtt 334

<210> 893
<211> 352
<212> DNA
<213> Homo sapiens

<400> 893
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aggcgcgcca ccacaccagg ctaatttttg tagttttcgt agagaggggt gtcaccatat 180
tgccagaggc ggtctcgaac tcctgatgtc gtgatctgcc cgctcggcc tcccaaagtg 240
ctgggattac aggtgcagcc accgtgtctg gctgtcccat tgtaatctta cgggaccacc 300
atgtatatgc aatccttggg tgactgaaat ggncttaang gggggattga at 352

<210> 894
<211> 525
<212> DNA
<213> Homo sapiens

<400> 894
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aaagcaccat attcaagcac tggatgctgc ttggacatat caattgaggt cccagagaaa 180
tcagtatggg gagaagaagg acttgaatc acacaaacat gggtcggaac cctgcttgcc 240
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caatcatggg tcaactgcagc ttcaactcct gggatcaagc aatcttctctg cctcaacctc 360
cccaatagct gggactcctg aatagacaag ggtcccacta tgttgnccaa gctgntctcg 420
aaattttggc tcaanaaatc ctcttgcctt ggnctcccaa agngctgggg taacaggcgt 480
gagcncctt gnccaaccta ttatagtent attcttacat aaata 525

<210> 895
<211> 366
<212> DNA
<213> Homo sapiens

<400> 895
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 agttacaaaa gaagaagagc cttttaactt tggcgggagt gcagaaggga ggaccaaata 240
 tgtaatttga acacattatt gagtaagatc atataatgga aaaggaggaa actgggtttaa 300
 agagatgaaa taaaggtaga ggttaattag aactaccaac ataaatatat gcccttttaa 360
 aagaag 366

<210> 896
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 896
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 aaggcgggat gctgaaacct ctgccccac cccctacatt agctttatat ccaaagtga 180
 ctcgaggct ggtgagctca aggtgatcaa tgacagctcc aatcaaagcc acccagtaga 240
 cagtgactc accactcctt gatataaaag gtgttttatt tctcatcctt ttatttttgt 300
 cactgaaaga atgcttccca tgtgtggatt aattaaagt taaacattaa atattgattg 360
 atgcattatc agcatgg 377

<210> 897
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 897
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 ctccctcaga taaaagaaag gcacatcaca gttgtcacat cagcaggcta gaaaagccat 180
 cccattcctg cggcaggcat tctgtcaaag aaaaagaaat ctgcaatgaa ttatcacatg 240
 aagtcaaaca aggaaaggag gcaaaaagca agcagagccc tcttctgtt ttgtagactc 300
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 accattctgt ctattaaaaa gtcagtgtgg tt 392

<210> 898
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 898
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 tcacaggaac agaaaaccaa ataccgcatg ttctcactta taactgggag ctaaatacatg 180
 agagcacaag gacaccaga gaacaacata cactggggcc ttctggagcg gggagagcat 240
 caggaaaaat aactaatgta ctaggctaaa cacctggatg atgaaataat ctgtacaacg 300
 aatccctagg atgcaagttt acctatgtaa caaacctgca catggacccc tgacttaaaa 360
 gttaaaaaaa atgagtgatt aaaaacatta aaaaatg 397

<210> 899
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 899
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 tgcttctttt aacatacaaa tataaacaaa cgtacaattt aggtaggggc ctcccacaaa 180
 ataatacct gatcagaatt atataattaag ttatgcttaa tatattatta tacattaat 240
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gctgaacttg 310

<210> 900
<211> 315
<212> DNA
<213> Homo sapiens

<400> 900
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aaaaaacctg cactgtagtg ataaaaattaa gtccaacctt aaaaagagtt tcaaaattta 120
agaatgagga ggaagagggg cacctcacgt aacaggaagc agctacgaca gcaaagagga 180
acagatactg ccaaataagg gttcatactc ataccccccac aaaggaaatc tcttaattgg 240
agacatcatg agatctgggc catttttccca tctcattgaa aaatcaatgt ttaaataaac 300
acacttttta tctag 315

<210> 901
<211> 343
<212> DNA
<213> Homo sapiens

<400> 901
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ccaacatggt gaaaccccggt cttcactaaa aatacaaaaa ttagcctggc atggtggcgc 120
gcacctgtaa tcccactctac tcaggcgggt gaggcagaag aatcgcttga acccgaggag 180
cggagggttg agcgagccaa gatcacacca ctgcactcca gcctggggcga cagagcaaga 240
ctccgtctca aaaaagaaaa aaaaagaatt ttttctaaaa cttccaataa aaacttaggt 300
cccatataat ggtaaactctg gtcctcaaaaa aaaaaggggc cag 343

<210> 902
<211> 183
<212> DNA
<213> Homo sapiens

<400> 902
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gcctttgaac tcttgggctc aagcaacctt cccgtctcag cctcccaagt agctgggact 120
acaggcgtgc gctaccatgt gtaatttcca tttttaaaaa gcacattaaa atcagagagt 180
ttt 183

<210> 903
<211> 517
<212> DNA
<213> Homo sapiens

<400> 903
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gccaactaca aagaatcatg ggatcataaa ccctcagaag tggagggtatc acggaaatga 120
gttaaatgtt ttatgctttc ctgtcgcctt aaactgccaa gaaggctggt gcacctcaga 180
ggaaagaata ctcacaggaa ttagtttccg gtccctgaaa ccagtcatt tcaacatgac 240
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accagcctgg ccaacatggt gaaaccccat ctctact 517

<210> 904
<211> 198
<212> DNA
<213> Homo sapiens

<400> 904
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cctgatgggtg	agcagggcca	gaaccaccac	ctgnctgtcn	caacactaac	tcttcatttg	120
attcctcttg	aagtttggcc	cgagtgtgaa	aaatgactct	tcttttaagg	actcgtata	180
aagcagaggt	gacacaga					198

<210> 905
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 905						
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ggaattttct	gggttaaaga	aaaataaagg	aaagtgacaa	ataaatgtaa	tctaagatct	120
tc						122

<210> 906
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 906						
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ccacagttaa	gactgtggca	tgtgcattcc	agacagcaag	actgagaaa	gatcctgaag	120
aagagagaca	agggctgtct	cttagggaag	gctccacata	aaactaagct	gccacatgaa	180
acttacgctt	actctgcaat	agccagaact	cagtcctcatg	gccatgaaa	atacaaggac	240
gcctctgttc	ttggaagtca	tgttctgggc	aaaactggag	gattctatca	cattagaaga	300
atgagaaaac	agacacctgg	ggaaaactac	attttctatc	atgggaacag	cactctattc	360
aagtgaactc	acaattataa	atgaagctac	tataattctg	aacaatgtac	cacggctaaa	420
agtgttcat	tcactttact	tactcaataa	atttaa			456

<210> 907
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 907						
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acctctgcct	cccaggttca	aggaattctc	ctgcctcagc	ctcccagagta	gctgggatta	120
caggcgctcg	ccaccacgcc	tggctaattt	ttgtatttta	agtagagatg	gggtttcacc	180
atgtttggcca	ggctgggtctc	gaactcctga	cctcaggtga	tccactcacc	tcgggtctccc	240
aaagtgtctg	gattacaggt	gtgagccacc	gtgtgctggc	tcagggaatt	gaacagcttg	300
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ggaatggggg	nggatatttc	atatncnccc	caccacctca	aaaatggtgg	nccttgggag	420
ggatnggaan	acaagaaaat	tgggaggnga	tgcattcttc	aagccttagg	aaaca	475

<210> 908
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 908						
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tctgacaagc	tggctcctct	cctcagaaaa	aagaaagaaa	caaggagaag	aggatgacat	120
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aggatgctag	ctctacattc	cacttcacaa	ccaggcccta	catcagccta	tatttgaata	300
ccatggcaat	tcactacccc	acgatctgtg	aggaaatttt	tccttacact	aaacagattg	360
ggccagttnc	acactttggg	actgncagaa	aaagcctata	tatctaatat	aatttattat	420
aaatag						426

<210> 909
 <211> 448
 <212> DNA

<213> Homo sapiens

<400> 909

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agttttggga	acatgtgcta	atggccatca	aacaattctg	aaataactga	aagagaacct	120
ttgaaacacc	cttttagatta	agagcctggc	ttgtaatctg	taacaacaaa	cggattattaca	180
atgagaaaaa	taaatgtcct	gtcaaggcat	tccttcaatg	acatcttgtc	acacaagtct	240
atatccaagg	ctgcccacaa	agtggaaaaa	tggggaaaaat	tccctgcagt	acagggccaa	300
aaactgaagt	ggatgtcact	gtcttctgtc	ctaagaaaaa	agaggataaa	ctgtantccc	360
aaccncttcc	gaagcttgag	gcaggagaat	ggcatgaacc	cgggaggcgg	agcttgtaat	420
gagtcgagat	ggcgccctgc	actcccaa				448

<210> 910

<211> 496

<212> DNA

<213> Homo sapiens

<400> 910

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acgggggctc	acgcctgtaa	tcccagcacg	ttgggaggcc	gaggcagggtg	gattgcctga	120
ggctctggagt	tcaagaccag	cctggccaac	atggtaaaac	cccatctcta	ctaaaaatac	180
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aggagaatcg	cttgagccct	tgaggcagag	gttgcaatga	gccgagatca	cgctactgca	300
ctccagcctg	ggcaagaaga	atgagactcc	gtctcaaaaa	aaaagaaaga	aagaaagaaa	360
gaaaaaaaaa	tcngctccag	gcagacttct	tttntgntt	ctgcctttaa	aaaaatctcc	420
ttggcacagc	ttcacntgat	tggatgggag	aggaaatttg	aggctgggag	acctcctana	480
ccacagctgt	aatctt					496

<210> 911

<211> 309

<212> DNA

<213> Homo sapiens

<400> 911

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taggaaaagg	cttgccccag	agtgaagaag	agaagaaaat	tgactggtaa	aatgaactac	120
aaatgtgaag	aaagtgtaaa	ggacccaatt	gagaaatgag	gtctatgttg	cccaggctgc	180
ttgtgaactc	ctggcctcaa	gcgacccctc	tgccctcaaac	tcccaaagtg	ctggaattac	240
aggtatgagc	catcatattt	ggctaatttt	acctcctttt	taaataaagc	tgactactac	300
tacaaaaat						309

<210> 912

<211> 188

<212> DNA

<213> Homo sapiens

<400> 912

agactggatc	tcactacttg	cctagctctt	gaactcctgg	cctcaagcaa	tcctcctgcc	60
tcaacctccc	aaagtgtctg	gattacagga	gtgagccact	atgccccaca	tggtattatt	120
attattgtta	ttaatactac	attgtgcttc	ataaataatt	gctaaatata	caagaatatg	180
tttgtttc						188

<210> 913

<211> 659

<212> DNA

<213> Homo sapiens

<400> 913

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accctaaagg	aggagccagg	gcaccagccg	gatggaggaa	aatctcctgg	cccaagaaag	120
tgacagggga	aagactcctt	cttccttgc	tcacacaggc	tcccaaacad	cacttcccag	180
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aagaagactt	tgtcaagttt	cttgttcctt	gggattgttc	acccaagcca	cattggggcc	300
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aaccccaagg	gaagttggaa	cccggggggc	caccaagaag	ccttgatttc	ccaagnaaga	420
agttcttcct	tcttaaaaaa	ccaaaagggc	aattggggga	cccccaactt	ttttnttcaa	480
cccggggcat	tggtcttggg	ccatttntta	ccaagtttgg	aaggggccacn	ttaaaatttc	540
aattgccttt	gaaacccggg	ccccttgggg	ttttcaaaaa	cccctcaacn	ttnttggccc	600
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<210> 914
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 914						
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tggcatgcac	aaaagcacgg	agcaacactt	tatgccagtt	ggattatggt	ccattgggag	240
aaagatcaat	taaggtgaaa	ccccagtaga	gaaagcactg	gagaacaaca	ttcattcttc	300
cttaataaat	cttagtttta	aatattttgt	ttgagttttg	ttccattaat	aaagaaaata	360
agaaggaaaa	ccccnnnnnn	nnaannnnnn	nnnnangggg	cngggggggc	cntttnnnnn	420
ggnnttnanc	cgggttnnnt	tttttaaaaag	gggggggccc	cccc		465

<210> 915
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 915						
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aaagacgact	aaccacacaac	ctactcttct	ggaaaataca	atttaaataa	aataatttta	120
agt						124

<210> 916
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 916						
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aagcgatcct	cctgcctcgg	cctcccaagt	agctgggatt	acaggcaccc	accgccacac	120
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tacgggggtt	caccgtgcta	gccaggatga	tctcgatcta	ctgacctcgt	gatccgccc	300
cctcggcctc	ccaaagtgt	gggattatag	gcgtgagcca	ccgcgcccgg	cgggttgngg	360
gttaatatta	aggcacttgg	gtanggaaca	cagccaanaa	cgattgcagg	atgggtcctt	420
ccaggacact	tgacgtctca					440

<210> 917
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 917						
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gtgtctgggg	gagaagatca	cacacaggaa	aatcaagtgg	tgacaagagg	tgccatgaga	180
cagtatatag	ttcatttccc	caccgcaaga	gtaaagggct	tagggtcaga	ggctttgggtg	240
cctgagttct	gactctgcca	attatttagca	ttgggacctc	agactcagct	ggcagagagg	300
agaagcagcg	ggacatcagg	actatggctg	gacgtcagan	aaaaacaact	taactttaa	360
aggtaggagt	tggatggng	taacttagga	gaagaatctt	gactgggaga	cggccagact	420
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<210> 918
<211> 416
<212> DNA
<213> Homo sapiens

<400> 918
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tatggagtag ctacatggtg aaatgccggg aagatgtcca ggacaggatg tggtgacact 180
gtgggaaggc tttattgcag aagggaattc taagaagtgt gggagaacca tgaaatttag 240
cccagaagag taagaacatc tgtgccagga ttggaaagga acagctctga caaggaaaca 300
agaataggag aaaaatgcca gtgcagatag agggaggtgc taattgctct tagccaaaaa 360
cattanaagg atttgtcaaa aggagtctta cgtaaataat anaaagtctg cttctc 416

<210> 919
<211> 371
<212> DNA
<213> Homo sapiens

<400> 919
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tgacaaaata tttcttgctg ttagttgcag gagagagaaa agatgaatac tgatccacgt 180
ctgagagaga gacaaaaatt caagttggag aatggtccag atacatcacc aaagcaagga 240
ggactgtaag tggatatcaa gaacctgagt gcagagacaa gagacagatc tctgtttctg 300
aaaacatggc aaggaaaata acctaaatat cctctcacta tcaagcatta aaaatggtgg 360
attaaatttt g 371

<210> 920
<211> 373
<212> DNA
<213> Homo sapiens

<400> 920
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ccacaaactc agcagcttca aacaaccaa atggattctc tcacagctct ggaggccaga 120
aggccaacac tcaaggtgta ctggggaccgt gctccctctg aagccccag ggaagaatga 180
cttccttgcc cctgccagct cctgggtggtg gccggcggtc ctgctcgctc cttggcttgt 240
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cagatttccc tcatataagg gcatcaagtc attggactgg ggccatcctc atacaacatg 360
ctggttagcc ttg 373

<210> 921
<211> 441
<212> DNA
<213> Homo sapiens

<400> 921
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cgctgcctta agagctgtaa cactcaccgc gaaggtctgc agcttcactc ctgagccagc 120
aagaccacga acccaccaga aggaagaaac tccgaacgca tctgaacatc agaaggggca 180
gactccagac gcgccacctt aacagctgta acactcaccg cgagggtccg cggcttcatt 240
cttgaagtca gtgagaccaa gaacccacca attccggaca cacctggatc tctttttcca 300
gtatcactat cagttaaate ccgcctcccc ccccccgaa atttataatt tttttaaccn 360
ggcacccttg gagatttatt taggaaaact agngacnctg nttnttttga naacaganta 420
aanagcngg gtggaacttt t 441

<210> 922
<211> 341
<212> DNA
<213> Homo sapiens

<400> 922
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aatacttgca actgtctgca gggcctcgga gacatggggc aaatgggttt ccctcccgaa 180
taccaggca tgacacaact tcagctttca tctaattata cactggacat ccacaccgtt 240
tcacctgcaa agggttctac tgttaaaata aataaacaaa ataaaccctc tcttttataa 300
tatgtgaact ttaaattaaa ataaaaaac agattagcaa c 341

<210> 923
<211> 639
<212> DNA
<213> Homo sapiens

<400> 923
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aaacacaaga caccaggtta aaattcaact gtagggtttc gctttgccat gcaggctgga 120
gggcagtggg gcaaacaggg ctcacaggca gaggtgctc tgcctcctag gatcaaggga 180
tccccccacc gcagcctcct gagtaactgg gattacaggc acaagccatc atgccaggc 240
aaggattcag ggacatctca gagccgctgg ggtctcgctc ccttcagggtc gtctgggctg 300
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agtgagaacc atagcagaac cttcaaagca cctctcaagt cgggctggag tgcaatggcg 420
tgatctcggc tcaccgcaac ctncgcttcc gggctcctgg tcaagcagtt ctctgctca 480
acctcctgag tagctgggat tacaggcaca tgccaccacg ctcaactaat ttttgtattt 540
ttagtaanag atgggggttc accatgttgg ccangctgnt ttcaaaactc ctgacctcgt 600
gatccgcctg cttcgggctt ccaaaatact gggattaca 639

<210> 924
<211> 322
<212> DNA
<213> Homo sapiens

<400> 924
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gattgacagt tacgtgcacc acatgaagaa aaaagcagag ttcttcaaac agcatgatac 120
tgtaagagaa ggaatggggg acaagatcta gggctgcagg attaaaaaaa caaccaaacc 180
aaacagctgc tactcttcat acgcgtcatt attcctttcc ctttattttg tgaaatatatt 240
aagtattttt ataaattgtg atattagctg cttaaagtat tgtaaataaa attaatatt 300
gtaattaaag atgtatatat at 322

<210> 925
<211> 307
<212> DNA
<213> Homo sapiens

<400> 925
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ccagatgaaa aggaactgag agatgcctct gaccaacagc agaggaggaa atgaatctgg 120
aaacaacct gtgaataaat ctgagaatga atgcaaccct agctgaacct taaagtacca 180
tctgacacct tcattacagc cttgtgatag actgagagcc agaggaccca gatgaaccac 240
actgggtacc tgaccacagc aagctacaag ataaatgggt gctgcgataa taaatggtta 300
ttgcttt 307

<210> 926
<211> 410
<212> DNA
<213> Homo sapiens

<400> 926
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tggaaaaaaa catgccacct tcttgtcgac attttgttta actctcttgg ccaagctgat 120
tctccttcc tccatactcc caaggcacct gaggtctggc tcttcaggct gtgtgacgac 180
agggacttta aagaggcaat gaaggtaaaa tgaggctcgc aggatggact ccgatataac 240

cggtgtcctt	acaagaagag	aagacaggac	acgcncacaa	agcgagggtc	agccatgtga	300
ggacagttag	aaggcggccg	tcacacccca	aggagagagg	cctgggaana	aaccaacctt	360
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<210> 927
 <211> 668
 <212> DNA
 <213> Homo sapiens

<400> 927						
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cctccgcctc	ccgagttcga	gtgattctcc	tgccctcagtc	tctggagtag	ctgggaatac	120
aggcacccac	cttcgtgccc	agctaatttt	ttgtttgtat	ttttgtagag	accgggtttc	180
accatgttgg	ccactctggg	cttgaactcc	tgacctcagg	tgatccgccc	acctctgcct	240
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ggcagggctg	cactccctgc	aaaggctgta	ggagacaacc	catctttgct	tcttccagct	360
tctaggggct	tccgcagcat	gccttggcgt	gccttggcct	gtggctgcat	tactccaatc	420
tctgcctgta	tggcaaatta	ctcctcctcg	gtccatctat	ctccctgtgt	gtcacttata	480
aggacagtta	tcattggatt	taagtgcctt	cctggatgat	ccaggatgat	ctcatctcaa	540
gaccttaac	ttaagtacac	cacaaaagtc	ccttttgcca	aatgaaataa	cattcaccat	600
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taataaaa						668

<210> 928
 <211> 484
 <212> DNA
 <213> Homo sapiens

<400> 928						
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cctccacctc	ctgagtacaa	gtgattctcc	tgccctcagcc	tcttgaatgg	ctgggactac	120
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cctcaagcaa	tctccttgcc	tcggcctcct	gaagtattga	aatgagatct	ctctaagtgc	240
ctcaggctgg	acacaaactc	ctgggctcaa	gtgatccttc	tgccctcagcc	tccctagtag	300
ttgggactac	agagaatttc	cctaggtcaa	atggcaccca	gaaactgcct	cctctacctt	360
gaaagctaca	ctgtcttaac	cttgaccaat	ggctgactga	tgtgggaatn	caaaagtcct	420
cctncttgtc	tcaaggatgg	agccttgctc	tgtcactcaa	gctggaacgc	aatcgcgcgga	480
tagg						484

<210> 929
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 929						
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cctcactctg	agggcaggct	gaacacctta	gggaccatca	acccccggng	gtgtcgtttc	120
cagtgaaaac	cgaactccgg	gatgtagccg	gattgganag	aagcgagtgg	cgctgcgccc	180
cccttctg	ggcggatgga	tgaacgtttc	ctccaaacct	ctnaagagcc	cgtgggattt	240
taccctttca	cctgcctccg	cttctgtctgt	atcttgtecc	agttcggttaa	gtgtgaagggt	300
ctcagcagcc	acacctcgac	agcataccgg	gaactctcaa	tactcctcta	cccattagca	360
ataaacaatc	caaaaattc					379

<210> 930
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 930						
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ca						62

<210> 931
<211> 418
<212> DNA
<213> Homo sapiens

<400> 931
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gcttcactcc cgacgtctgt tcagggtcaca atttctacag cagagacctt gagggatatt 120
tttcttcact cctcttcact tcttcaacag agtttcgctc ttgtcaccca gcctggagtg 180
caatagtgcc gtcttggtc acagcagcct ccgcctcctg ggttgaagca attctcctgc 240
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ttttagtaga gacgggactt ctccatattg gtcaggctgg tctcaaactc ctaacctcat 360
gtgatccacc ctctcgggc tcccaaagtg ctgggatgac aggcgagtta agcgcctg 418

<210> 932
<211> 83
<212> DNA
<213> Homo sapiens

<400> 932
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acctcttttc ataactctgca cct 83

<210> 933
<211> 369
<212> DNA
<213> Homo sapiens

<400> 933
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tgnaaaaaacg ggggaanact acccttgtn tctggggagg ggaccgngg aaatggtttg 120
ggatatatga aaattacntc cnggagggat tttcctgaan aanataanaa aacctntggg 180
ggaaattttt gaaaaaattc catccaatac cgtngaaagt cttcaaaaat gcttgctcca 240
agtttcactt gataccngct tgnttcttga aatttgaaag gggacattgt ttttttatga 300
caagnnggaa agcttatgct aaatcctggg atngggngn cncctttgta attaaaaaaa 360
tccccccc 369

<210> 934
<211> 475
<212> DNA
<213> Homo sapiens

<400> 934
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cctcattgct ggaggcagtc gctgttaaca tcttggtggc aacactgagc ttcatggctg 120
actcttcaca atttgatggg gatcttgcta tgttgcccag gctgaccttg aactcctgac 180
ctcaagctgc cctcttgct cagcctcccg agttgctggg attacagggtg tgagctgctg 240
cacctggccg atttantttt ctgtatgaga tttggtactc tgaatatttc tttcatccag 300
gagagagtta ttgcttctat gtgcagatct tatttgcatt tgggatcacg gactggaaaag 360
ggctcagggg tttatatcat tgcaccgatt tacaaaaagt gttgacagcg gggagganga 420
tctgaaatca gggccttcnc gaggaggctg gctgacctn atttctgct ggctt 475

<210> 935
<211> 486
<212> DNA
<213> Homo sapiens

<400> 935
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ttgcctccct ctggcctcat tgttattttc tcattctctc ctcccatatt ttgnaagagt 120
gcattgattt attgccattt tcatttttta aaacatcttc ctccatcctc aacaagcatt 180
tttgcccaaa gcgagtatta acaacttccc ccagttctc cttgtgttcc tctgtcgagt 240

gttcttattc	attccattt	tnaaaaaagg	aattctntgg	gccagcaca	agcatctgct	300
gcttctatcc	aggcaaagaa	agatgggtggc	atgggggtttt	tatttactga	aggctgggac	360
gaacgcagag	ctaagtgtgc	attcctgggtg	ctcctggcctt	tgtaggtgat	acaaaagctg	420
gtnnncctgg	caagaaanaa	aancccttcc	agaangcaaa	atcaatgccg	gcnccccact	480
tcacca						486

<210> 936
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 936						
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cctccacctc	ccaggttcaa	gcaattctcc	tgcctcagcc	tccaagtag	ctgggattac	120
agatgaggtc	tccaagggac	cagatggaga	acagatgcaa	ccacactgaa	gtcagaatcg	180
cagcttgcc	ccgacacctg	acgcttcact	gttggcgagg	cccactatgc	ctcgctctcc	240
ccctggaatg	agttctatcc	cagaggctcc	tatacccttt	agaaataaac	tgctcaggca	300
gccaaccag	ttcatccaag	aggcctggaa	ccacagcagc	gtcgacagct	gagatgagag	360
ttgggtccctg	atcttataca	nancccggtt	ttaagtttga	nttctttctt	ttccttgnca	420
agaacnttta	aaaaaaaaact	ttttgggggc	cggggcattt	tcttggttnt	tttccnaacc	480
naaaaaaaga	nttttttttt	aaaacc				506

<210> 937
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 937						
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ggganccaat	naaaaaaaaa	tgcggggacn	tctcatgatg	acctgggncc	ttggtntttt	120
tnaaataaan	cctntttttt	taccttgttc	caataaaaaa	gctgaacttt	tt	172

<210> 938
 <211> 592
 <212> DNA
 <213> Homo sapiens

<400> 938						
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tcaaggtntt	tgtaaataag	aagatttttt	ggatggatga	agaaagatnn	ctttattcna	120
gcacccaaaa	aagccaaaag	cnttttaant	gcccataatta	ttgtcccca	agaaaattgg	180
tataccaggg	accctgggct	taancttatt	tcatctgcna	tggcagggta	ccattaaaag	240
aaaacaatta	ngatgcccg	acccaaaaat	gccaattacc	ctgggaagga	accagaccat	300
tagaggttgg	gaaaaattat	tntgggntat	tggggaaagg	ggtatttccc	aacaaaaaaa	360
aggaccattg	ggattgaaaa	aggaccggaa	cgactttctt	tggaaaccaag	aaaaaacccc	420
canggaaaaa	ggtcaaaaaa	aaaaaggaaa	gccnnc'cana	gaatggattt	tcttggaatg	480
gaaatantgg	antgggaang	aaccgacttn	ttgcaangcc	ctcnaacttt	ttatttttca	540
accncccaag	gncttgggtt	caaacccttt	caagggaang	gggttttcaa	aa	592

<210> 939
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 939						
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ctcgagttca	agcgattctc	ctgcctcagc	ctcccagagta	gctgggatta	cagacgcgcg	120
ccacccccacc	cagatgatct	ttttaaatgc	aaaatgccat	cgacgcaaaa	aatcaaagaa	180
tcagcttaag	ttccagaaaa	aagaaaaacc	naccnaatga	acnathagac	naccnccncc	240
nccacaaaaa	aagncttttg	gggatttttg	gaaatatttg	ngtnatnattc	ntntacttta	300
ccngngagaa	aagagnnttt	ttttanaant	ngnctntcca	anatggagat	ttaaaattca	360
tttanggtct	ttggaaangg	ttcttaaaan	aaatggattt	ggggg		405

<210> 940
<211> 147
<212> DNA
<213> Homo sapiens

<400> 940
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tttcccacat ctattatttc attttatcat tgtaactgtg actttcaaaa gaatgngagg 120
gcataattaa acatttactc acgaacc 147

<210> 941
<211> 224
<212> DNA
<213> Homo sapiens

<400> 941
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gtgttctctg tgacccagta gtgtgaattg cttatctgtt tctgcattaa ctcaaattta 120
tcagtgatta ttgcctgaat acctcatgct ttctgagatc tacagggtaca gatttagggg 180
tgaactcttt ctctaaataa atttaattcca tgtgtgttaa aaag 224

<210> 942
<211> 471
<212> DNA
<213> Homo sapiens

<400> 942
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ctgggtactg tgcccttagt gccacgtgga aagaacagct tgggctcagg acttcagggtg 120
gtctccaccc ggccactgga gagaatgaga caaaaaagcc ccagatgagg agactcaaga 180
agctatgaaa ggtgaaggca tttgctcaga gtcacacagc tactgaggag caaaccaagg 240
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gaataaatat taactattac tattatcatt atcagaatct tctctccct gaagggaatta 360
aagaaaaaaa aaagcctcct nattctaccc ggttactnac tggngaaccc angggaaang 420
gacttaatct ggcngggcct cagtttgtca cctataaaaag ggggatatag g 471

<210> 943
<211> 341
<212> DNA
<213> Homo sapiens

<400> 943
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aaanaaaatc atttctnng ganggacant tccgggaang gcactcttac gctttccnaa 180
aatcantctc ttaccctca aagggtttt atgcttgctt aaaggcaagg gccanccccc 240
cgagtttngg ctggggacct cttaaattta ttgggggggc nctccccctt gaatggtgng 300
gaaaaagggg gggggccttc ccttcattta aaaaaggtgg t 341

<210> 944
<211> 469
<212> DNA
<213> Homo sapiens

<400> 944
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tgcacgcatg aanaaaaggg cgccctttc ttcattatgt tctgatccga cacatggcct 120
tgaccagaag ccaagcagat gctggcacca tgctcttctg acttcccage atgcagaacc 180
ctgagagaca gtgtttcacc atgttgtcca ggcttgcttc aaactcctgg gctcaagtga 240
tcttcccacc tcagcctgac aaagtattgg gattacaggc gtgagccacc atgcctgacc 300
taaaaacattt tcatcacctc aaaaatatct tttatgctct ttccaagtta atcaagcttc 360
tcacccccac cccaaatcca ggcagctgnt gggctgcttt ctgncactat aaataanaag 420

nggatttttaa nagctcaaat aaanggaacc atacagaata taatctttg

469

<210> 945
<211> 285
<212> DNA
<213> Homo sapiens

<400> 945
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ggaccttccc cattgagatc tgtcctctga tatgagttag gaatcttttt gtccatatct 180
tgagcatttt aaacaaaagt taagcttcac tttanattaa actgcattct caaactttct 240
ttgaaaacta atgctgttag aaataaaaaga caagtttgta tatgt 285

<210> 946
<211> 438
<212> DNA
<213> Homo sapiens

<400> 946
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ggggcgnttg nctatatgnt atttnccacc atattgccct nttttggcaa tgggagggcc 180
cggaacacctg gccctgtctt tttgacgaac attcctaagg gtcttttccc tctcgccaaa 240
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acaaacaaac gttttgtaac gaccctttgc angcagngga accccccaac ttggcgaaan 360
ggtgnccttt tggnggccaa aanccccgtt gtatnaaaaa nccctggaa aaggngggga 420
naaaccccaa gggccccc 438

<210> 947
<211> 172
<212> DNA
<213> Homo sapiens

<400> 947
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atcccagctg gtggattaaa catttttttg gaaagtaacc tcttattata aaattaaaag 120
ccaatattaa gagtttttnc caatcaagaa tggtcnataa aatttttaac tt 172

<210> 948
<211> 191
<212> DNA
<213> Homo sapiens

<400> 948
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tcaagtaatc catcctagag ggggngttct ttttaanaat ttgagaagga aaacgtacnt 120
cccantctnt tttatataat gcgagcaaac aaaatatattg ttacaacact tcattcaaat 180
ttatttaata t 191

<210> 949
<211> 516
<212> DNA
<213> Homo sapiens

<400> 949
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aggagtcca gaccagcctg gccaacacgg cgaaacccca tctntactaa aaatacaaaa 120
aattanccag gcctgggtgga gcacgcttgt aatcccangt actngggagg ctaaggcagg 180
agnatcactt gaacccangn gangctgcag tgatctgaga tcgtgccact gcactccagc 240
ttgggcaaca gaacacagac tccntcttaa aaagaagaaa gaaagaactt ctatttttta 300
aangtttttt cctttcattg aactccatnt atngcctttc cattcaaagc ataaagatta 360

aatttttaaaa	caaggcttgg	ccccctggct	tatgcctgta	atcccancac	ttttntgagg	420
ccaaggnngg	cgggatcacc	tganctcaaa	ngnttagaat	centnctggn	taacattggg	480
gnaacccct	tntntaaga	agaaccccat	ttttta			516

<210> 950
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 950						
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ctggggcact	tgggcagacc	cccaaagaca	tccttaaaga	caagagaaat	cgggggctgt	180
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catttgaggaga	aattgagaag	tagcacggaa	gacctccana	cccagagctt	gtgtacggca	300
cagtccttga	aggatttgc	cccattctca	gggagcaaga	cccatcttaa	acgtggaaac	360
aaatacacga	gagtaataca	tacttgaggc	ttaatgnaaa	gttaattcct	cttggcacag	420
cccagatat	cttgaataaa	tggctcgca	agtgcgtgaa	tatcttgata	atgnccgttt	480
tacttttgan	tatataatca	att				503

<210> 951
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 951						
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aagccttttg	tccagtagca	cgatcgaggc	tactctgcat	acagatggag	tttctactct	180
gttgcccagg	ctggagtga	atggtgccat	cttgactcac	tgcaacctcc	acctcccagg	240
ttcaacggat	tctcctgct	cagcctccca	agttagctgg	attacagaga	tacgattttg	300
ccatgttgcc	caggctgggc	ttgaactctg	cgctcaagcg	atccacctgc	ctcgacctcc	360
caaagnntg	ggattacaga	catgagcccc	tgcgcctggc	cagcttcacg	catattgnta	420
taatcttcat	ggacaaatcg	aaactcaaan	ggagntttgc	tcttgttgcc	ca	472

<210> 952
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 952						
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cctccacctc	ctgtcctggg	ttcaagcgag	tctcctgcct	cagcctctgg	agtagctggg	120
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cctgagtggg	ctcccttcat	tccttttcag	ctccacttgg	cctagtgaac	tcgactcat	240
tctgcaagtc	ccagtacacc	ttctttaaca	gtctgcatga	ggcagactct	cacagtccac	300
tctatatttc	ttccatgaca	ctcttcccaa	atgtaactaa	aggattactt	gtataatttt	360
tcctttagca	tttgtttttc	aaactagact	gcagctcact	ggaagcagg	cactgaaatt	420
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<210> 953
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 953						
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ggggataact	acctgcagag	aggagctatc	ctctttgctg	agagcttcag	aggcctgcag	120
agacatctga	acaacctgcc	tacaaagagg	agccaccctc	ttcagagcct	cctctctgct	180
gagaacagca	gacagcagga	tgaccagtgg	gcagagaaga	gctacccctc	ccagggcctc	240
ctctttgctg	acagctgaac	actccatggg	atgacctgcc	tacagagagg	agctaccac	300
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<210> 954
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 954
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 tttacacgaa gtttcaccac cttgcccagg atgggttttca actcctgagc tcaagcaatt 120
 cgccaacctc agcctctcaa agtggtgagg ttacaggcag gagccaccaa gcctggcctt 180
 acgtacatct tttgactctc caaaaactta actactaata cccttctgct gaccagaagc 240
 cttagtagta acataaacag tcgattaaca catattttgt atgtttcatg tattatatac 300
 tgtattctta caataaaata agctag 326

<210> 955
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 955
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 ctactgcgc atgcctccat cttcgaagag ctctgttca ctgtactctg aaatagactg 120
 tgcaaaacat taaaactgac 140

<210> 956
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 956
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 agaagtttgg tcagacagcc gaactccagg gaaataccac cttctcgctc catccccctc 180
 ccagtcctcc ctccactgg aagccacttt tatcagcaat aaaatcctcc gcgttcaaca 240
 ccctc 245

<210> 957
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 957
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 tcatcaagtc ccatagcccc tttgtctatg gaccttctgc cagcatcttc tgtaagacta 120
 ttaaaatgca ccaacccaag gtctccagtg ctgctgagtc ccccggtgca cctcctgcaa 180
 ctgccacagt tgtcaacagc tcaaatecta gagaccttct tcattagggtc aatgagtatc 240
 taaactttta aaaataaata aaggggtaat tattagcttg ccccccatcc caacaaaaaa 300
 aaaanggccca gngnggccan ttcannntnga anttanccag gntgaacttg ntnaaaaggg 360
 ggggactacc caa 373

<210> 958
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 958
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 tgatcctttc aacttatttg aatcctgaca aataagctca cagctgaaa gtcaacatag 180
 tcgtatttca tctccagag ctgttcttaa gacatctgca caacaaagca cttcttatag 240
 cacctgacat gggccctcaa tggcactgta cctcattaaa aatgtcccct gcatgcgcac 300
 gcattccaag gcacatggc tggatgatgt ttaccaata agtgtttaca gaagggttag 360
 taaacaaggc agattgtcaa cttttccaat aaagcgtcac tatagtgtctg aa 412

<210> 959
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 959
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 ctccggcctcc caaagtgtg gaattacagg cttgagccac catgcccagc caaccctata 120
 gctttgtctcc acctgggagg agctggagga caaaggactt cacagaagaa tggagtccca 180
 aagaaacagc ttcaggaact gaggagagcc agaaatttaa tgtatttagg gtcaccttgt 240
 gaaaacac 248

<210> 960
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 960
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 gccatgtgtt gaagagaatg gaacaagatg gaagaaacct ggtgatcagg gagccgccat 120
 aacagtcttg ggttgtctct gtttacatga gagatgagga aactgaggct cagagaggtt 180
 aaatatcttc ctcaagaatt ttcgccagag ctgggatttg aaccaaggctc tgcttgactt 240
 agaaggcagt ggtccttgct ttctcccag gagaaaggag cagagatacc taaagatgcc 300
 tgactcccaa tcccatggga acatgcccc tgcgggctca ctctctctcc tctttgtctt 360
 caatttctaa gaatgtcttc ttttactaa aacaaaacac tccagaatgc attctgcatg 420
 aataaagact gccaaactcca tggcagaaat aacat 455

<210> 961
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 961
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 tctcccctac cctgtctaca agggctgatg tgtggctctc caaccatcac tccattgctc 180
 ctcaagtgga cagtgggaagg acaaatgtat ttcagcccca aagcacaat cactgatc 240
 aacctcatg ggtgacctag tcaagtggcc acctctgggc cctacatcag cctgcccttc 300
 cttttatcat accacctgtc taactgtatt ataaggatct ttttccatga ctaaattttt 360
 ttttgaaaac aaaaaaaaaa aggggncnng gggnnctnntn nntnngnct tnnnnngggg 420
 gaantnttn aaaagggggg ggg 443

<210> 962
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 962
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 tgcgcccccg ttgttcccc gccgacagag gcttgatgcc gcttcaagt cccgcagtta 120
 tttttgtcag ccatacctct ctcccactcc tcccaaagaa agcattcagt gactcatcgg 180
 gagaccgga gacatctgac ggttgctcag ctggtatccg gccactgagg ggaaggagga 240
 gtgtgttgat gtccccttg actctccttg aagaaactgc atagattcac agactcctgg 300
 aaaatcagaa tccagaatgt gcacatgata cactgttggg gtgtgtgttt atttgattc 360
 actcacggat tcaacaaata tttgttgatt acctgcc 397

<210> 963
 <211> 554
 <212> DNA
 <213> Homo sapiens

<400> 963

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gaagctgcca	tgctgaaaag	gccaattggg	agaccacata	gagaccgaga	gagacttcca	120
aggactccag	ccaatcctgg	gccccagcag	tttgaatctc	ccagcaatgc	caccatacag	180
gagaggggagc	aaatactcan	aagattcaag	tgccagctgc	atgggttgat	acctacataa	240
aaggcattgg	cattattcac	aagagccaag	atatggaaat	aacctgtgtc	cattgacaga	300
cgaatagatg	agggaaacgt	ggcatataca	cacagtggaa	tattattcgg	acttaaaaaa	360
agaaggaaat	cctgaatcct	gctatctctg	acaacatgag	actgcaggac	gttatggaan	420
tggtccatca	tgctcttnta	aaacttttnc	tccctcagnc	aanaaggggg	agcctattta	480
ccctggncct	tgaantggaa	naaggacttt	tgccctggcn	ttgtttttan	catccccctg	540
ntgaaaaaaa	aacc					554

<210> 964
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 964						
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cctctgtgtg	gaacagaaga	tttttaaacc	tgtatattta	tagcaaacia	tgaatctcta	120
aatagttctc	c					131

<210> 965
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 965						
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tgagacgggg	tccagaagga	gcaagatggg	atgccttttg	actgagacct	taaattccac	120
ccagtttatt	acaaccatgc	tcactcctct	acctgccctg	ccccaatcgg	tgcaaaactgc	180
cttctccagt	cttgcttcc	ctctaataca	taggttgtct	ctgttttaag	aaggcaagtg	240
gccagtgaga	gccttaaact	accttagtgt	tctctaaata	agatatgcct	ccatggagtt	300
gtaag						305

<210> 966
 <211> 601
 <212> DNA
 <213> Homo sapiens

<400> 966						
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tcctcacctg	actgggaaca	gctcgaaggg	aaggacatgt	ctccaaagac	atgaggagta	120
ttcaacgtgg	cattcgaggc	gcaaggaaaa	acctgcctat	cccaagatct	cagccccatc	180
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atgagatttg	agtcaagaag	gatgacctag	caataacctc	tatatatctc	attatgccaa	300
tacttaaatg	gctacataag	aggacagtcc	agtgcagagc	atggaaagag	gcttagaggt	360
catctcattc	atcacaccat	tttacagagg	aaagcaaaat	gccatccaga	gaaggaaaagt	420
cacaaagcca	tctaacccca	gacctgggag	tagcagctga	tcacagcggg	tcggacacaa	480
gaagctgctt	ncaaaaaatc	ttncctttcat	ttggctacag	agaagacatc	agaaaaacaaa	540
antttataac	atggctctag	ctctaactca	ctattcacta	aaggggccaaa	ttaatagggg	600
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<210> 967
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 967						
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ccacctcagc	ctctcgagga	gctgggacta	caggcgtgca	ccatcatttc	ctcctaaaaa	120
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<210> 968
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 968
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 tgcaagtgcg ccagcagtga agtaggagggc ttggacacag ggagagataa atgtgggttc 120
 ttctaagaca gatgcaggat ccagcttatt ccttgaagtt tccagtgttc tgcactctac 180
 tacttgacat ccattctttcc ttcattgaccc cctgtctctat aacttcaggc tcagcaccaa 240
 acagaataaa cagttgaatt aagtatggct actacataag gtcagatctc tataataaat 300
 tctttactct acctc 315

<210> 969
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 969
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 ttccttttca ttcttttctg ggcaaatcta aaccttttga gaagtagatg agtgaagtca 120
 attgcaaaga agaggagttt gggacacaga cttgtgtgag gacacagggg gaagacagcg 180
 tctacaagcc aaggagagaa gactcaggag gaaccagcct tgccccacacc ttgatcttgg 240
 acttccagcc tccagagcat aagagaataa atttctgttg 280

<210> 970
 <211> 587
 <212> DNA
 <213> Homo sapiens

<400> 970
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 cctcccactg cagcctccga gtagctggga ctacaggcat gtgccaccat gctgggctaa 120
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 ggagccagtc tgcactgacc cactgaagaa atgggtcccg ggggcttgac tttgtatttt 420
 aaaaaaagtc cgcaagtcaa cctaaagact gtagctttca accactgatg tctcgggtgn 480
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 tttactgagg gtccaaaaca caaaatcacc ttagaatcat ttgggtt 587

<210> 971
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 971
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 cactcaggcc caagcctgac accttggagg acacgtgga gacacgtgga aagttgacca 120
 ggaacagagc caagtacttc ccaggctccg tgggcatcaa agggattgca ctttttccag 180
 acccaatcca cagctgcagg cagcaggcag gactctgcac tgacaaacga ctcacctctg 240
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 ggcccaacct cactcaggaa tgcctgcgac ccagcagcct gtcgtgggct gtgctgcgaa 360
 tgccacacat gggccaggct cttcctccc caggccttcc cagctgtcct ctgcagcttc 420
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 gtatt 485

<210> 972
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 972
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 gttggagata caaattgaag ccagccccag ttcaaaactg ttacaaatgg agtctgtagg 120
 catgaggggc tgactatata actcagagtt ctccagtact ttactttaat aaagaacaca 180
 atctttatta aaggataagt aataaaaatg tgttgatgtg c 221

<210> 973
 <211> 582
 <212> DNA
 <213> Homo sapiens

<400> 973
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 ctttaccaag aaagttgccg tggaccctta ggtcacatag cctgaccatg ctcatatgaa 120
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<210> 974
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 974
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 taaaggactt accattccgt attctgagcc tcagtggctt atctcatgtc gtgagtccca 180
 ttaagccagc cacttggacc agctcaataa aatgtctcaa tgg 223

<210> 975
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 975
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<210> 976
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 976
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 caaataaccc tatttttaaa cc 142

<210> 977
 <211> 345

<212> DNA
<213> Homo sapiens

<400> 977
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ccgaggcctc cccagctatg cctcctgcac agcctgcaga actattacag ggagcaactt 120
gaattttaatn cttctgattc caagtgtggt gttctgcctg tgcatacgga agaaggacga 180
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<210> 978
<211> 204
<212> DNA
<213> Homo sapiens

<400> 978
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ttcagagctg acctagaagc cagccactcc actcagaccc aattcggatc actatgttcg 120
tgaggacttt aacagcatca ggagctccct ctgactgcta tatgaagaga actgcactcc 180
tgcccagca acagagcaag actg 204

<210> 979
<211> 309
<212> DNA
<213> Homo sapiens

<400> 979
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tcctcagcta cactgatgag cttggcagtg aattatctag tcccatccaa gcttccagaa 180
gactgcagcc ccagctgaca gcttgactgc aacctcatga atgtttctga gctaggacca 240
cccagttgct tctgaattcc tcaccctcag aaactatgat acaataagtg ctgattattt 300
taaattgct 309

<210> 980
<211> 589
<212> DNA
<213> Homo sapiens

<400> 980
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<210> 981
<211> 259
<212> DNA
<213> Homo sapiens

<400> 981
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actccatcaa ggtggacaga cactcaacgc cctggtagat aacaaagaca acggtggacg 120
agcaataaag aaatctaaca aggtctcaaa ggaacagcaa atgaatttca attttaaaag 180
gacatgggtc attctagaaa tcaatgtgtg tgcaatccaa cagttccata tataaatacc 240

agaaaatatt tatgaagc

259

<210> 982
<211> 191
<212> DNA
<213> Homo sapiens

<400> 982
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gtgccaaaaa caatgtctta tttggccatt tttcccttga ccctaattgct agaaaggaag 120
gagagaggga agcttaaata atttataaaa tcctggtgaa ttgtcaatta agtaaatcct 180
ttttaaaatt t 191

<210> 983
<211> 620
<212> DNA
<213> Homo sapiens

<400> 983
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gagatatagg aggtggactt ggaggtttgt tcggagtcac tggctgcagc aagtctcctc 120
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gcgacaagaa gcggatgtga gaaagtaaag agattttcag gcattaaaag catggaaaga 480
acaaggcagg ggagatgctt acccccctgc ctggaggact cttggcgctg tgctgggtnc 540
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<210> 984
<211> 495
<212> DNA
<213> Homo sapiens

<400> 984
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gctaataagag ctgagccact gtcacttgct atggatgctg aggcctgaa caacctagag 180
gatctaaagg caacactgag atcactgacc cgagtccttt cccagcgatc ctaaaataga 240
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tcttgaggtt cctgacctt catccaacag cctgccttc ttcttctcca cagcaatgaa 360
gagtgaagg ggcggggtca ccctaataa ctgaatcaca ggagttaact gctaactcca 420
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ttggttcaca caggt 495

<210> 985
<211> 410
<212> DNA
<213> Homo sapiens

<400> 985
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gtaactttgt ctgaatatga aggacccgaa ggaccactga gattggagac agaacaaagg 180
ccacaggatt ctgctgcaaa ttctaacagg aggaggcaat ggcagccctt actaaaaccg 240
cagaactaca ggaagaggat ccctgagtgg gattcctgtg tgaaaggcat ttccacctt 300
ttgtgtatct tcagaatctt aactttcatg agagaagaat agaaatgcaa caatggaaca 360
atccactgta tacacgtagc tgacaattta ataaacttga aggaaatgct 410

<210> 986

<211> 316
 <212> DNA
 <213> Homo sapiens

<400> 986
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 aaatgtatct gcagacaggt caagttcatc gagagtcacc tcctgcctga cactccagtc 120
 attaatcca gccataacta cagcttttat tggacaagag actgatttca gcactttcta 180
 cagataagaa gaccatcaac catggattgg ttctggccgg tttccagaag atacactgtt 240
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 aatgtctcat ttctcc 316

<210> 987
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 987
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 tgttcctcca aaaggcactc tgctttttaa ctctcaggtc tcagacaaca aaccaaagac 180
 actcctgaga cttcagcagg agtgccccag acagtgcatt agcatgtacg atccattcct 240
 tattttctct atgtcatttc cctgcagagt caaaacaatg cattcattta aagtc 295

<210> 988
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 988
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 aatacgaaaa ttagccattg tgggtggcaca cgcctgtaat cccagctact caggaggccg 240
 atgtgggaga actgaaccct ggaggtggag attgcagtga gccaaagatgg cgctactgtg 300
 ctccagcctg ggcaacaaag caacactatg ttttaaataa ataaataagt gctgagatct 360
 cagaaaatac aaaaaaaaaa aggccagcga ggccaattca gnttggactt anccaggctg 420
 aacttg 426

<210> 989
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 989
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 catgcttact gccctttata aaagattcaa gctttctaag ttcagggtgt tgctccctgt 180
 aatgaaaccc actgtgtttc caagtatcac ctggccctcc ctcttgatat cctcttttgg 240
 gaactggggc tctaggaact gggaaaggca atgccaatac tctggctatt gctattactc 300
 tgagtaataa aagttcctca tctctac 327

<210> 990
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 990
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 tctaatagtg gaacaagggt tgtctgtggg gaacacaata atgtgccatc cagattgccc 120
 ttcaagaagg gacttgctct aactgctaata agtgcctgtc acaaaaagcc ttcattgggca 180
 gattttcagg gacctcatca gatgcaaaga gacattcac ccaatgtcat gtctttccca 240

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caaagcagga	caactctgac	aggtcatttt	agtttcagac	ctccccacag	aagccatcaa	360
cactgccact	ggacgaaaac	tgtaactcta	cttctccaca	tgctcaatct	tgnatccttg	420
ctctgccttc	ataaatgttc	atccaagggt	acttctaat	aaatattctg	catac	475

<210> 991
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 991						
aaaatacata	ccatcagaac	aaggcaaaat	ggaggttatc	tacattgtat	ccctctgtct	60
tttaaattct	aaagagtcca	tggtgtgagc	atctcaagga	agtgaggcct	cctgccaatg	120
gccatgtgaa	tgagcttgga	agtggatctt	ccagcctcag	tcaagccttc	agataactgc	180
agccccatct	gacagtgtga	ctgcaaccct	atgaaagaac	ctgggccaga	accaccacgc	240
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ttaacct						307

<210> 992
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 992						
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gctaaccctt	ttttggatga	gaatctgtct	tctcatggag	cctaaagagt	tgtgaagatg	120
ggtatggtgg	ctcacagctg	tgatcccaac	acttcggaag	gctgaggcag	acccttgaat	180
tccagcaacc	agtttggaag	ccccacacaga	ggaacgggat	ctgcaagaga	atacagcttc	240
ttcatctccc	tgtcccatga	cttcatectg	tactctttaa	caaataaaca	attgccacac	300
ttcgg						305

<210> 993
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 993						
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gagaatatga	acttcgagaa	catctgacct	gctgccacct	ggccagtgtc	ctgcctttga	120
ggagtccagg	atttacaagc	ctgctgttct	caaccttggt	tggcactaac	acaccggaga	180
ccatcagtaa	cggtgggtct	gcaaggcaca	gatcttcacc	agggatcctt	ggggagaaac	240
caagcaaact	atttctgac	actagacagg	cgtatccctc	cctttgagaa	aattcacttt	300
ctaaaaccat	aaacaacagc	tggttg				326

<210> 994
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 994						
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attggatgga	agaattccc	ctgcccttct	cctgtttcag	tgattgcaga	agcactcaag	180
ctgaagcctc	cctcccctgt	gtctatgagt	cactctcatg	agccatactt	gccaccctgc	240
accagacatc	tggcataagt	gaggaataaa	cctctgtgtg	gaatgc		286

<210> 995
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 995

09423674-10299

ctggcaaaaa	gagccaatg	gggtaaacgc	cattccagca	gcacagccga	ggaggagact	60
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aattcaatct	tttgctctca	ttttatctaa	cacatgaatc	agttcaattt	ccaagccatg	180
tgtgctttcg	atgtcaaata	tataataaac	taagttttca	ctg		223

<210> 996
 <211> 575
 <212> DNA
 <213> Homo sapiens

<400> 996						
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agcgaaaatc	tgccgcttca	cttctgagcc	cagcgagacc	acgagccac	caggaggaac	120
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ggacagactc	cagacacgcc	accttaagag	ctgtaacact	caccgcgagg	gtccncggct	300
tcatcttga	agtcagtga	accaagaacc	caccaattcc	gggcacactt	tctctttctt	360
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cactggctctg	ntatggaaaa	tgggtgnaatc	ctgctaaaaac	ttctctgtct	ctgctacaca	540
agtgaaacct	gacnttttca	ttttggaaac	ataca			575

<210> 997
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 997						
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ggagataatc	cacttggtta	tccgcggatg	tgaacataat	ttggaggcag	cagtcactcc	120
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taagtgtatc	ttgcaccagt	gaagctgaag	atcacaatta	ctgcctcaaa	tactcactgc	360
ctggaaaccg	gccacctctg	ctccaaaaca	agggcttgct	atgtgctgac	cttgtgtcca	420
agctccaccc	ctgctgcttg	ttccaacngt	cttgcctctc	gtcttctctc	aatccgactg	480
cagtgggggt	ggcaagtgtg	ngtgtggggg	gtgggaagtg	gagatgt		527

<210> 998
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 998						
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cagcctctga	gtacctgggg	ctacagatgc	atggccacca	caccagggga	aagtgtctac	120
ctcaactgcc	aatttacgga	ggatctctgt	ggatggtaaa	tcagagaaga	gtgtgaaagg	180
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tgaatataat	cggctgaaaag	agaacaccag	aacactgttt	agaaggcaac	tataacatct	300
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gaatttgtga	ctt					373

<210> 999
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 999						
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tgccaagctc	tccatggcat	attatgctgc	cttccaagtg	ccttaggctg	tgtgttgact	120
ggggcatcct	ctctgcaatc	atggctgtga	gtgatagggtg	gacttgccaa	ctccctgatt	180
acctgccatc	catggaaagt	caacacctaa	atatgttgtc	ttatactact	agataatata	240

tgactattat actgcaaaa atctttttga agcaaattat aggaataaaa gagactaag 300
aacaataata aacttgggaa atttacaag gc 332

<210> 1000
<211> 556
<212> DNA
<213> Homo sapiens

<400> 1000
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accatacaat acaatagtca aagaggaaag gttggatcga tcagtgaagt ttcacagaag 120
ttgtgacatt tgggttggat cttgaaagat aatgggagct ttgaagggtga atgaaaaaag 180
aagtggaga acattcctgg tagatggaac agcatatgcc aaagcacaga ggtccacatt 240
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gaccacgaac ccaccgggag aaatgaacaa ctcccacgcg cggnccttaag aactgtaaca 360
ctcacgnaa aggtcgact tcaattctga gctacgagac nccaaccnc naaaaggaaa 420
aacttccgac ccttccgaca ttcanaagga ccaactccaa ccccnctt aaaagttgac 480
cttncccgga agggccggg gntttttnt tgaatccgng gaacccaaan cncattcc 540
ggcccagttt tcccc 556

<210> 1001
<211> 232
<212> DNA
<213> Homo sapiens

<400> 1001
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gcctcttga gtctcagtga gaaaacacca agaaccctc aaggagcagc tgcaggtgaa 120
gcgacgacat gcacagcatg catcagaccg cgctggacag aggcgcttgt tctgtttct 180
acctctccc acttcagagg attccttcaa taaaaatcaa tttccaaaca ag 232

<210> 1002
<211> 467
<212> DNA
<213> Homo sapiens

<400> 1002
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cacctcagat gtcataaaga aactgactt ggcaccagaa gatctgtact cagtcctaa 120
ttcttcaatt taacaagctt tgtggccttg gagaaactgg ctgacatttt tgagcttcag 180
ttttcacct tgtaaaatga tgcagttgga ctttctact ggctctcaaa ctttgtgtc 240
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nctcctcct ccaaccaaag aataaaagca gcaagcaaga aatctccttt tccaagcatg 360
acacttacat gtttataggc tgnctatggc ccttttcata atttgngctt ttcaattttt 420
tttctgggat ttaagtttta aaagaataaa ttttatcatg aatctat 467

<210> 1003
<211> 124
<212> DNA
<213> Homo sapiens

<400> 1003
aaangcatgg ctntgcctcc tcatttgaag cccactcang attgataata aagaaagtaa 60
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gctc 124

<210> 1004
<211> 530
<212> DNA
<213> Homo sapiens

<400> 1004

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gaaaagagca	aacagaagtt	attcacatgt	gcacagaca	cgcaatccat	accacagcca	180
ccagggtgat	tgtccaggtt	gtattttctgc	tgacatcgac	ccttcattgc	ttcctcttgt	240
tgacccttcc	agctacacct	agctcgggtcc	tcttcagagc	cacgccaaca	cccagggtcc	300
tctgcagtgc	atccccatgg	ggattttaccc	ggccccaca	tgccagacca	tcgttgggtg	360
acctcatcac	cagcatgaag	tgggctcttg	gagttgtcga	ctgactagtt	cacaattagt	420
gactcatagc	atctcactna	tttcttttca	tcaagtagga	ggagcaagt	ctgcactttt	480
gcacacatt	ttaaaaanat	ctgggnggtt	gtttttttgc	ccaaaactaa		530

<210> 1005
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 1005						
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tccaccatgc	ctggggaatt	tttctatttt	tagtagagac	agggtttcac	catgttggcc	180
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attataggcg	cgagctgctg	cacctggccc	cggttcactc	ttgtgacaaa	tttcttcatt	300
tgacaaaata	aaagaaagaa	tttcagtaca	aaaatc			336

<210> 1006
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 1006						
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atccagaaaa	ggcttctgaa	aaccaagac	acttgaagat	cattgtcttc	tancaagtct	420
gaacaccatg	gagaggccac	agctgtgaaa	aaaagaaaaa	gatgggcccc	ggttttacca	480
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<210> 1007
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 1007						
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actgagattc	catggtggca	cctggtggca	cagagacaag	ctgccccacc	acgcccttcc	240
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<210> 1008
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 1008						
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nccnctaaa	aaactgtttt	gcagaatcaa	atgccacaga	naagcanggt	aaaatcaggg	180
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taataaaata acctttttgtaattatg

327

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